

S T U D Y A S S O C I A T I O N

G E W I S

 **SUPREMUM**

**VOL 56 NO 2**

**THE  
INNOCENCE  
EDITION**



# EDITORIAL

*After a full year of fraternity lustra, it is now time to enjoy the summer break. Go outside, find a nice place in the sun, and open this last Supremum edition of the year!*

**EDITOR IN CHIEF** Leon Vreling

It has probably not gone unnoticed that three out of the five fraternities of GEWIS celebrated their lustrum this year. Namely I.V.V turning 20, GEPWNAGE turning 15, and ATHENA turning 10 years old. You could have seen this around GEWIS, for instance by the full weeks of activities they have organized, or their combined gala party at the end of the calendar year.

Other ways you might have been able to know about their lustra are of course by reading the Supremum. Every edition has been themed around one of the three fraternities, and this edition will be centered around ATHENA!

Next to the fact that it was a special year for these fraternities, it is also a special year for me personally. I am currently working on my final graduation project, and thus will soon be done with studying. Therefore, this is the last edition of the Supremum that I will be working on! I have enjoyed my almost 5 years within the committee a lot, and I am looking forward to what the future will bring for the magazine.

In this edition, you can read and see what defines ATHENA, as well as some nice summery cocktail recipes and an unusual side job of one of our committee members. This edition would not be complete without a review of different lunches on campus, which can be combined with interesting conversation partners, and some updates on the lights of the GEWIS room.

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# CHAIR'S NOTE

**W**ow! In a few weeks, my board year will be over and so this will be the last chair's note I write. For the previous two issues, I wrote what I felt was around me at the time. But this time I was lacking some ideas, and I did what every scientist does when they need an extra hint: I asked ChatGPT! Some of the topics proposed by ChatGPT were "The Diversity Dilemma: Embracing Inclusion on Campus," "The Power of Volunteering: Impacting Communities as a Student Leader," and "Fashion Forward: Trends and Styles Redefining Student Culture." But then it got me thinking, where do these ideas come from? The topics seem random, but also popular and familiar. Is AI giving me real ideas or is it, as Nicki Minaj would say, a remix of existing ideas? Does AI commit plagiarism? Is AI innocent? I took a deep dive to find out how much AI actually plagiarizes.

TEXT Lora Šimić

Before taking on this discussion, let us first define the three different forms of plagiarism that exist:

1. The most basic form is outright plagiarism; the act of presenting someone else's work as your own. This would be me taking an assignment from a friend who took a course a few years ago and submitting it as my homework.
2. Paraphrasing plagiarism is already on the topic of this assignment. It occurs when a writer takes someone else's work and changes a few words or sentences. Many students are unaware that this is plagiarism. Even if you express someone else's original idea in your own words, without giving them credit it is still considered plagiarism.
3. Unintentional plagiarism is often the most common form of plagiarism because it occurs when the writer is unaware that he or she is using someone else's work.

Fun fact: You can plagiarize yourself! So the next time you have a good idea in an assignment and decide to write an elaborate paper on it, don't forget to cite your own work! (And it would be hypocritical of me to not cite my source for this: <https://grammarly.com/blog/types-of-plagiarism/>) Plagiarism should be avoided. You are taking the work of others and passing it on as your own work; you are being dishonest.

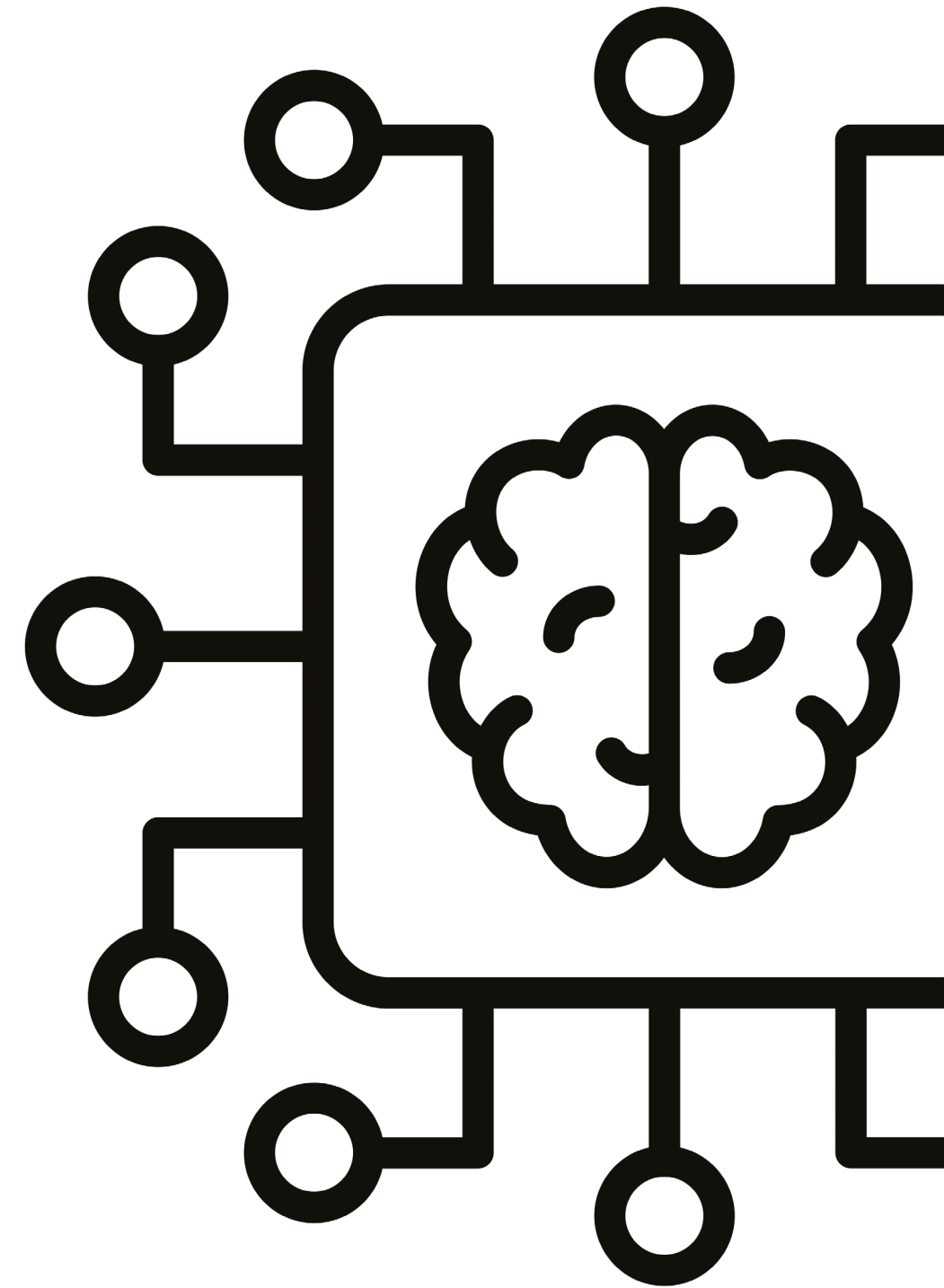
AI is a powerful tool that can write essays, poems, mystery novels, and even simple code. Some would say that AI writing tools could potentially replace human writers in the future, but the reality is that AI writing comes with its own set of challenges and dangers. AI studies previously published content, whether found on the web or created by other users, and applies paraphrasing and machine learning to generate "unique" content. However, as noted above, paraphrasing someone else's context and then calling it unique and your own is, in fact, fraud.

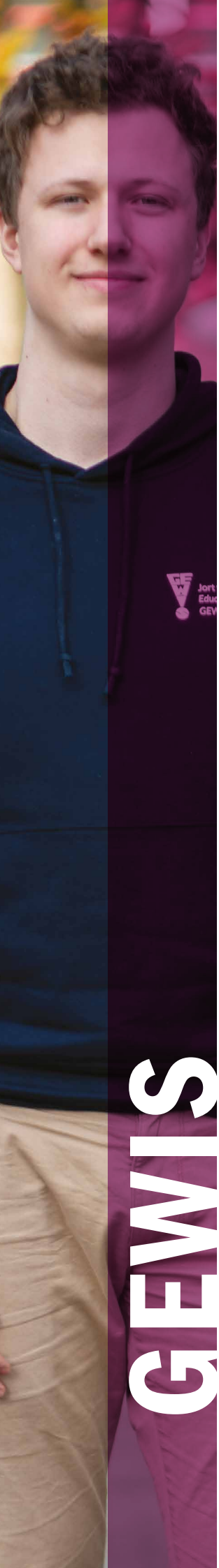
“ ... I did what every scientist does when they need an extra hint: I asked ChatGPT! ”

However, Artificial Intelligence tools try to create original, which makes their usage different from outright plagiarism. The use of an AI tool is not considered plagiarism if it generates content from scratch through machine learning. However, not every AI tool can generate unique content. ChatGPT and other language models can create text that seems original by learning from a set of examples and crafting responses based on the information provided. Despite this flexibility, there are constraints. Language models work by making predictions and creating responses using the patterns they learned. Consequently, they might produce comparable or identical responses for comparable inputs. Thus, in my opinion, this can still be argued as fraud!

To continue with the ethical aspects of AI and plagiarism, even though AI technologies can help create unique content, the line between ethical use and possible plagiarism can become unclear depending on how these tools are used. At the end of the day, we decide what our content will look like and what we will use to get there. One of the most important aspects to consider is the notion of intellectual property. If an AI system creates content using existing materials, and we are aware of this, there will be some uncertainty about the rightful ownership of the generated output. Should the AI-generated text be considered truly original if it relies heavily on pre-existing works? Should we still bear the responsibility of trying to find and credit the original author(s)? In addition, the importance of intent should also be kept in mind. Although AI has the ability to produce text that is not simply a direct copy, the motivation for using an AI tool is significant. If the goal is to create truly original content influenced by existing sources, then AI can be a useful tool to push creativity to new limits. However, if the goal is to cheat by slightly altering existing content to avoid detection of plagiarism, this compromises the values of academic and creative honesty. Educational institutions and publishers need to clearly define how they will handle AI-generated content. Although it will be a struggle, the rules must adapt to these technological advances.

Students and writers using AI tools need to be aware of all the good and bad things that come with using the prompts to create content. Most importantly, they should be aware of the ethical implications and best practices for maintaining honesty in their work. While AI offers promising opportunities to drive innovation, its use must be approached with caution. In closing, do not be afraid to use the technology, but use it for your own good and at your own risk!





# EDUCATION FIRST

*In many ways, universities have a unique spot in our world. Not only are they at the forefront of science and education, they are also at the forefront of democracy. A place where both staff and students can participate in decision-making, and where their values are at the heart of what universities are about. In this Education First, I will shine a well-deserved spotlight on those who actively participate in this micro-democracy we call co-determination.*

TEXT Jort van Driel

## SHARE YOUR VALUES

As mentioned before, the basis of every decision in the university is the values of those who study or work there. A part of finding these values was the 2 events that the Executive Board organised this year, but a more active spreading of values can be expressed by participating in one of the many co-determination that this university has. The word co-determination, in Dutch "medezeggenschap", refers to an organisational structure where employees, and in our case this includes students, can participate in the decision-making process of an organisation. At our university, as required by law, this is organised at all levels: from the University Council, which checks the Executive Board, to a Program Committees for each program, which checks its respective management decision.

## IMPROVE EDUCATION, TOGETHER

The quality of our education depends on those who teach it and those who experience it. Of course, feedback is a good way to make your opinion known, but who checks that the teacher is actually listening? The power of checks and balances, as seen in a large nationwide democracy, ensures that feedback is heard, problems are followed up and our education is improved. It is therefore imperative that we students, together with staff, take part in this role of checks and balances, not only to improve the quality of education for ourselves, but also for our peers. Many of the problems you may have encountered during your studies have been taken up by the Program Committee, the Departmental Council or even the University

Council, and there are many more problems that have been resolved by these bodies before you could have noticed them. You can help this process at every level of the university, starting with a small time commitment.

## BECOME A BETTER YOU

In addition to the satisfaction that the previous point may give you, participation in a co-determination body is also useful for personal development. It is a serious task to take on, but for many students it has helped to teach them how to negotiate, how to present their opinions and to give them a broader perspective of what education is all about. In almost all co-determination bodies you sit together with staff members, which not only allows you to share your own perspective, but also makes you see their perspective. As a student involved in participation, you can be proud of your influence. If this issue of Education First has piqued your interest in co-determination, please contact us at [co@gewis.nl](mailto:co@gewis.nl).



# SPAR BROODJES REVIEW

*Money is limited, as is our stomach capacity, which is why we must treat the activity "eating lunch" with the utmost respect. But how can we respect this activity, if we do not know what our options truly are? It is for this reason, that we as the Supremum are introducing a new rubric. A rubric in which we will be reviewing "broodjes" from various spots. Today, we will start with perhaps the most logical one if you are having lunch on campus: the SPAR.*

*Thank you in advance for allowing us this opportunity. This will be our first "broodjes" review and we hope you will enjoy it. In the future, when you are unsure what to get from the SPAR, may this review guide you to a well-educated and tasty decision.*

TEXT Lotte Lakeman, Arend Roijackers



## FRIKANDELBROODJE

PRICE: €1,95

LOTTE: ★★☆☆

AREND: ★★☆☆

Where else to start than with a frikandelbroodje? This broodje is a staple of the Dutch lunch cuisine and perhaps the most important factor of a Dutch high school's student diet.

**First impressions:** Our initial reaction to this broodje was that the frikandel was too small for the size of the puff pastry. When you are taking your first bite from a frikandelbroodje, you don't want to be greeted with just puff pastry. No, instead you want to get that combination of puff pastry, curry sauce, but most importantly, the frikandel.

**General impressions:** When biting into the broodje, we immediately noticed that the puff pastry was somewhat stale. It started out really hard, but not in a crunchy way, and then as we continued eating it, it started to feel stale and tough. Sadly, the puff pastry was not the only issue we had with this broodje. Although the frikandel should be the main star of the show, this frikandel was really lacking in flavor. The taste of it was almost overpowered by everything else, despite the fact that nothing else had a really strong flavor. Despite all the negatives, at the end of the day this was still a frikandelbroodje. Was it the best? No, but its curry sauce was alright and it still tasted like a frikandelbroodje, albeit not a very good one.

**Left-over eaters' impressions:** Finishing 10 broodjes with only two people is quite difficult, so for each broodje we gave our left-overs to the people around us and asked them for their opinion. For the frikandelbroodje, they agreed with our professional opinion of it overall being an "alright", but not necessarily good frikandelbroodje. Notably, they also thought that the puff pastry was rather stale.

## VEGA FRIKANDELBROODJE

PRICE: €1,85

LOTTE: ★★☆☆

AREND: ★★☆☆

Times are changing, and with this change has come the introduction of a new concept: the vegetarian frikandelbroodje. How much like meat will it taste and will it be worthy of the title "frikandelbroodje"...

**First impressions:** There were two things we immediately noticed: first, the "frikandel" actually fit in the puff pastry perfectly and second, the actual broodje is smaller than the regular variant of the frikandelbroodje. Overall, we preferred the look of the vegetarian version as the puff pastry was more intricate, but also because it felt like the frikandel and puff pastry had a better ratio.

**General impressions:** Let us first address the elephant in the room: this is not a frikandelbroodje. It does not taste like a frikandel and it perhaps never will. Despite this, however, we both agreed that it actually tasted really nice. The puff pastry was nice (and not stale) and the "frikandel" despite not tasting like one, had a nice texture and good flavor. The only other important thing to note is that the curry division was not great. The edges had a lot of, admittedly nice tasting, curry, but in the middle there was barely any. Overall, this item really surprised us and despite the lack of a distinct "frikandel" flavor, we do recommend it – even to those who are non-vegetarian.

**Left-over eaters' impressions:** They liked the flavor and experience of this broodje, but agreed that it was not really a frikandelbroodje. Instead, it reminded them more of a "saucijzenbroodje". It was also mentioned that the "frikandel" had the typical vegetarian alternative to meat flavor, but it did not affect their eating experience.

## SAUCIJZENBROODJE

PRICE: €1,95

LOTTE: ★★☆☆

AREND: ★★☆☆

Not everyone agrees with the statement that a frikandelbroodje is the best lunch you can get, instead some deviants prefer saucijzenbroodjes... But how good of a saucijzenbroodje does the SPAR have to offer?

**First impressions:** To be frank, nothing really. The SPAR saucijzenbroodje looks like any other.

**General impressions:** A saucijzenbroodje consists of the components: the saucijs and the puff pastry. Let us start with the puff pastry, this was, when compared to that of the frikandelbroodjes, more fatty and had more of a buttery taste. Out of all the napkins, the one on which this broodje was laying, had by far the most grease on it. We suspected this was due to the fact that the puff pastry clearly had more butter on or in it. The extra butter also caused the puff pastry to be more sweet than that of the others. Regarding the actual saucijs itself, it was surprisingly soft and not what one would typically suspect. Furthermore, because the puff pastry was so sweet, it would have been nice if the saucijs was a bit saltier to balance this. Overall, this was definitely a fine saucijzenbroodje. It was nothing too special, but a nice snack regardless.

**Left-over eaters' impressions:** Amongst the left-over eaters there was a heavy bias, as one of them has this as their all-time favorite SPAR broodje. One left-over eater was unimpressed and noted that they were not a fan, while the other continued hyping up this specific broodje.

## MEXICANOBROODJE

PRICE: €1,95

LOTTE: ★★☆☆

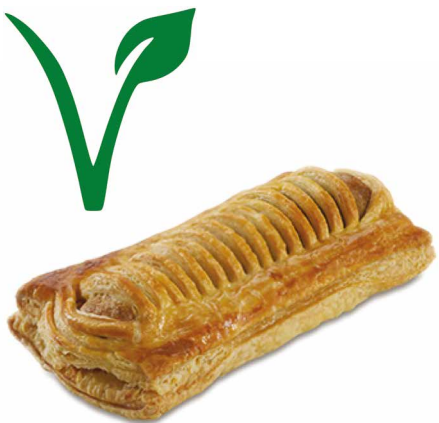
AREND: ★★☆☆

The SPAR has a clear opinion about what a mexicanobroodje should be, namely a broodje wearing a Mexican hat. Can we truly disagree with this vision? We don't know, however, what we do know from experience is that hats tend to not taste very nice.

**First impressions:** The first thing we noticed was the smell of this broodje, which was rather distinct and also quite strong. Additionally it was clear that length-wise the broodje had enough filling, but this was definitely not the case in either the width or height dimensions.

**General impressions:** Opinions on this broodje were extremely divided. On one hand, Lotte clearly noted that she strongly hates sweet chili sauce as it is not spicy but still has a chili taste (which she does not like). Arend, however, was quite a big fan and is also an avid sweet chili sauce enjoyer. We both noted that the meat was a lot denser when compared to the broodjes that came before. It also was more flavorful when compared to the rest (whether this was a good flavor or not proved to be quite a dividing topic). Regarding the puff pastry, nothing was noted as this was just your average puff pastry. Despite being quite a dividing item, the mexicanobroodje is nice if you are into "that kind of flavor"

**Left-over eaters' impressions:** The left-over eaters were rather nervous after having heard quite an extensive rant about why this broodje was absolute trash. When they started eating it, however, it turned out that they thought it was fine. No strong opinions were expressed other than that it was "nice".





## UNIVERSITY SNACK

PRICE: €1,85

LOTTE: ★☆☆☆☆

AREND: ★☆☆☆☆

What an intriguing item this is... What lies beyond its puff pastry? What makes it so that this, out of all items, is deserving of the name "university snack"? We were highly anticipating finally getting to try this item.

**First impressions:** There was a lot of puff pastry, but barely any filling – "outrageous" we exclaimed. More specifically we noted that the edges of this broodje were really thick puff pastry. We deemed this as unnecessary and had hoped to see more actual filling.

**General impressions:** Our complaints about the lack of filling could not have been more wrong, as it was absolutely disgusting. Seemingly the filling of the SPAR university snack is mushroom ragout, but just executed poorly. We both agreed that mushroom ragout is something we enjoyed, so that was not the issue, the issue was this specific ragout. Although the filling was an absolute disaster, the actual puff pastry was fine, but there simply was too much of it.

At the end of this broodje, our mouths were left with a poor aftertaste and a lot of dryness. If you are vegetarian, we definitely recommend the vegetarian frikandelbroodje over this. We highly recommend you do not try this broodje.

**Left-over eaters' impressions:** The left-over eaters agreed with our opinions and were also not a big fan. They wanted to stress our point regarding the lack of filling, as one of them could not even detect that it was mushroom ragout and only got puff pastry.



## EMPANADA CARNE

PRICE: €1,95

LOTTE: ★★★★★

AREND: ★★★★★

After rain comes sunshine, and this saying also holds for our SPAR broodjes review. The empanada carne is a relatively new member in the SPAR family of broodjes, but it has already left a clear mark. Unlike another Mexican item, the empanada is recognizable by its distinct shape.

**First impressions:** Before we took a bite, we could already tell that this broodje had a really good amount of filling from its weight alone. Even though the empanada is relatively small in size, it weighed significantly more than anything else we had had before this. Additionally, we immediately noticed that the empanada carne has a really nice, hearty, smell.

**General impressions:** Great filling! The filling is really flavorful and has ground beef in it, due to this it feels like this broodje has more substance than others. The empanada tastes like a chili you could have made at home, and due to this it feels more like a meal and less like a snack. The dough around the filling was able to keep everything together quite well, there was no leakage. The only negative about the dough, and also about the broodje itself, is that the "closing seal" is a bit thicker than the rest of the dough. Because of this, this specific part of the broodje can get a bit dry, but it still tastes nice regardless.

Overall, we were really impressed by the empanada carne and have had it quite a few times since then. Highly recommend.

**Left-over eaters' impressions:** "Oehhh!" For the left-over eaters, this was their first time having the empanada carne. They were really impressed by the flavor and noted that they might start having this broodje occasionally from now onwards. They did, however, agree on the part of the "closing seal" being a bit too thick and thus dry.

## FOCACCIA PAPRIKA MOZZARELLA

PRICE: €2,39

LOTTE: ★★★★★

AREND: ★★★★★

Arguably, Italian cuisine is one of the finest. Nearly everyone enjoys a good pizza and if not, surely they would be open to either a portion of pasta or risotto. Amongst the rich list of Italian foods, is also the focaccia. This type of flatbread often comes with toppings, but is also enjoyable with a simple sprinkle of salt.

**First impressions:** The size of the actual focaccia was quite nice, it seemed to us that eating this should be enough to fill you up for a couple of hours. This broodje, however, suffered from something a lot of SPAR items suffer from: a lack of filling/toppings. Sadly, the corners and edges of this focaccia had no toppings, but in the middle there was actually quite a lot.

**General impressions:** The dough of this focaccia was quite decent and had a distinct enough flavor albeit not a very strong flavor. The taste was quite nice and surprisingly enough, the bread was neither dry nor hard. Regarding the toppings, they sadly did not have a lot of flavor. You could taste that you were eating paprika, but only barely. The mozzarella was undetectable aside from being able to visually see it. Overall, we only recommend this focaccia if you are in the mood for the bread itself. We do not recommend buying this broodje if you are in the mood for either paprika or mozzarella, but otherwise it is okay.

**Left-over eaters' impressions:** Surprisingly alright. They were also expecting the bread to be dry, despite our review, but agreed that it was not. Although the bread was not dry, they did not consider this broodje to be very remarkable.

## FOCACCIA PEPPERONI

PRICE: €1,95

LOTTE: ★★★★★

AREND: ★★★★★

Maybe after reading the previous broodje introduction, you are in the mood for a pizza. Sadly, the SPAR does not offer this. The closest thing to a pizza at the SPAR would be the focaccia pepperoni.

**First impressions:** This focaccia is notably smaller than the focaccia paprika mozzarella, but it looked alright. Nothing too special.

**General impressions:** This focaccia was, like the previous one, also not dry. However, this focaccia seemed almost a bit "soggy", as if the top had not been in the oven long enough to fully cook. We really liked the topping (as we both enjoy tomato sauce with pepperoni), but the more we ate this broodje, the more the dough itself became a disappointment. Furthermore, around the edges there was no topping, and once we started eating this, it was revealed to us that the dough was in fact dry here. It seems that the only thing not making this a piece of stale bread is the tomato sauce topping with pepperoni.

Overall, if you are in the mood for pizza this is a decent enough alternative. However, if you are more in the mood for a focaccia, we definitely recommend the paprika mozzarella version.

**Left-over eaters' impressions:** The left-over eaters noted that this focaccia was less dry than the previous one. Additionally, it was noted by them that it reminded them of a pepperoni pizza. Their opinions were not very strong on this broodje.



## APPELFLAP

PRICE: €1,50

LOTTE: ★★★★★

AREND: ★★★★★

When thinking of typical lunch broodjes or snacks, most of us think of frikandelbroodjes, saucijzenbroodjes or whatever vegetarian alternative we might prefer. This is, however, not all the SPAR has to offer. The SPAR also has a selection of sweet snacks, one of them being a Dutch classic, the appelflap.

**First impressions:** Aside from being quite surprised that the SPAR had an appelflap, as neither of us had ever actively registered this, we thought the appelflap looked quite good. It was nice and puffy and the sugar coating also looked tasty.

**General impressions:** We both agreed that the SPAR has a good appelflap. The filling was nice and despite there not being too little of it, because we enjoyed it so much we would have liked more of it. The puff pastry was also nice, it was the most similar to the puff pastry of the "saucijzenbroodje" as it was quite buttery and sweet. The sugar coating was also nice and crunchy and sweet. Our only negative remark on this snack was not on the actual snack itself, but rather its context. The university SPAR does not feel like a place where one would buy an appelflap.

Overall, we enjoyed this appelflap and if you are in the mood for one, we would highly recommend this one.

**Left-over eaters' impressions:** The left-over eaters also enjoyed this appelflap and remarked the puff pastry was quite flakey. The appelflap's puff pastry was in fact so flakey, that one of the left-over eaters ended up with puff pastry crumbs and flakes all over their nose.

## CHOCOLADEBROODJE VANILLE

PRICE: €1,55

LOTTE: ★★☆☆☆

AREND: ★★☆☆☆

Pain au chocolat, one of France's most brilliant inventions, aside from the guillotine of course. For this edition, this will be the last broodje we review, but that certainly does not mean it will be the least. A good pain au chocolat can soothe a craving for something sweet, flakey, buttery, filled with a delicious chocolate paste. A bad one will amplify this craving.

**First impressions:** This chocoladebroodje seemed rather sad. The puff pastry did not appear flakey and while holding it, it also did not resemble puff pastry texture-wise. In fact, while holding it the texture seemed more like wet carton, also in the way it was bendable. This broodje also had the common issue of having very little filling, although this tends to be quite normal for chocoladebroodjes.

**General impressions:** The chocolate flavor, despite there being little filling, was quite good and we had no remarks on this. It was exactly as you would expect from a supermarket chocoladebroodje. The vanilla flavor was overpowered by the chocolate filling and thus we could not taste this, unless we separated it from everything else. The vanilla did, however, have quite a weird texture and as you could not taste it, this weird texture was the only thing it added to the experience. In general the texture of this broodje was weird. As we already suspected from merely holding it, the puff pastry was neither puffy nor flakey. Instead, it seemed all molded together leaving us feeling rather disappointed.

Overall, we do not recommend this chocoladebroodje and recommend the appelflap if you are craving something sweet. If you really want a chocoladebroodje, cycling to any other grocery store will be worth the trip.

**Left-over eaters' impressions:** The left-over eaters were also not impressed with this chocoladebroodje. Overall, they agreed with us.

# IN THE SPOTLIGHT

**H**ello everyone! Even though technically, I have been in a FYC, and have been an officially active member ever since, I have only been a common face around GEWIS in the current year. Gladly, Supremum has given me an opportunity to introduce myself to the association.

TEXT Victor Klomp

I grew up in Vught, just below 's-Hertogenbosch. From a young age it was clear I liked computer-related things. It started with Legos, where my father and brother bought those Lego technic kits that allowed the Legos to be controlled. A few years after that my brother came home with a USB stick with some cracked game, Minecraft he called it, or something like that. Shortly after that, my social life took a big dive.

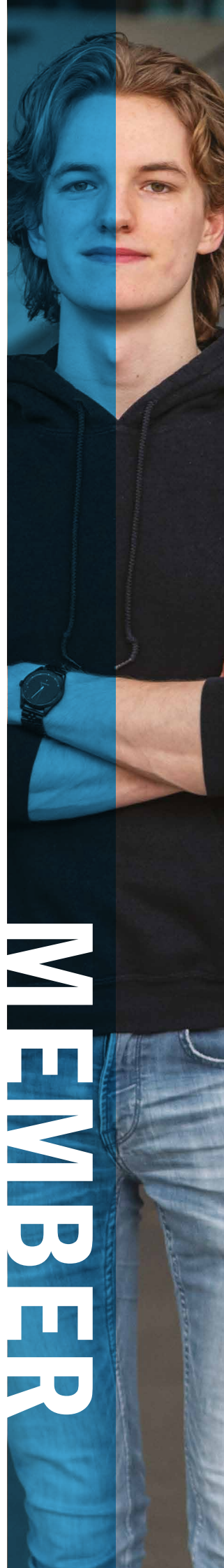


I could not be put away from my computer anymore, firstly just playing normally, but later I discovered the technical aspects of the game, such as Redstone and Command blocks. High school started, and I found a friend who shared the same passion. Together we started playing around with online servers and communities, this quickly resulted in custom modifications for Minecraft. This was my first experience with programming, and later this escalated into more complex programs such as chat bots for me and my friends.

But by this time, I was still an innocent kid, just playing around and hacking together my programs. Soon enough, high school came to an end, and it was time to choose a study. Naturally, as I was so into programming, I chose... mathematics. From 5 VWO already I was sure I was going to study mathematics, it was my best course in high school, and I thought there was a lot to learn. I did also think about computer science, but it was never my first pick. But being so into programming I did not want to give that up, so the day before the deadline, I signed up for computer science, as a backup, or a possible double bachelor.

I ended up starting the double bachelor, made some new friends at the university, but also still had an active friend group back at home. So, I didn't really become active at GEWIS at first, also not joining an FYC. Later I did end up becoming more active, I joined an FYC and later even became the chair of this FYC, 4 Chaos. But in my second year I did a full-time board year at the student team TU/ecomotive, and a part time board year at the sport association Twist. So, there was not much time to be at GEWIS.

But in the past year I have been a lot more at GEWIS, especially at the ABC working on SudoSOS, and lately at the CBC, working on various projects, as well as becoming Vice-Chair. So, I hope I will see you guys in the GEWIS room or in the boardroom, and I'm always open to have a chat!



*Infimum: A strange or funny quotation from a teacher, a student or faculty member. Here you can find infima sent to the Supremum committee via [inf.gewis.nl](http://inf.gewis.nl).*

**Bartjan:** "I have to be I.V.V, FUCK!"

**Celine:** "Maar het heeft geen nut om een mail met 'wie dit leest trekt een bak' naar mezelf te sturen"

**Daan V. compares provable programming with proving with computer assistance:** "I don't have a coq."

**Hiske:** "Het leven gaat beter als ik een worst in mijn mond heb."

**Samuel tegen Noël:** "Ik snap wel dat je geen Cliniclown bent geworden."

**Leon:** "Annemiek, Ciska, jullie zijn goeie Duitsers"  
**Ciska:** "Waarom, gewoon omdat we blond zijn?!"

**Anoniem:** "Ciska klonk best geïrriteerd"  
*half uur later*

**Anoniem 2 ziet een foto van Ciska met een cocktail:** "Ze heeft een cocktail, ze ziet er weer blij uit."

**Samuel:** "Is Jesus nou echt herboren voor onze postkaart?"

**Samuel en Ollie:** "Gestorven voor onze zonden, herboren voor onze postkaart, gekomen voor het pils"

**Inge, tegen Ciska:** "Je zag eruit zoals Hiske aan het eind van de intro"

**Ciska:** "glas was ooit hout, want het bevat allemaal koolstof"

**Annemiek:** "zijn de Alpen van siliconen?"

**Annemiek 5 seconden later:** "dus iedereen had gelijk, de Alpen zijn van siliconen!"

**Leon:** "mag ik een nieuwe sjaars? Elwin is dronken"

**Aimee:** "ciska je hebt nog niet eens een halve hersencel"

**Ciska verbaasd:** "Waar is mijn hersencel??"

**Aimee:** "Wat zit daarin?"

**Leon:** "Rum, rum, rum, aardbeienlikeur, en sinaasappelsap"

**Aimee:** "Ja maar er zit ook iets vies in"

**Leon:** "Rum"

**Elwin, drunk:** "The wadio wewinds me..."

**Elwin, 5 seconde nadat hij met 2 jongens heeft gezoend:** "Ik ben wel gewoon hetero"

**Leon:** "Ja hij had opzich wel een leuk accent"

**Pim:** "Ja, maar het was geen Duits accent in het Engels"

**Leon:** "Nee, het was een gay accent"

**Ollie:** "Leon, voor jou ga ik wel op mijn knieën"

**Ollie:** "Sorry, ik was even aan het tongen"

**Samuel:** "wat in de panfluit is dit?"

**Ciska:** "Ik miste toch wel een beetje de kerststol bij het Paasontbijt"

*In een herdenkingsplek voor gevallen soldaten*

**Annemiek:** "Hij heeft een grote voeten"

**Ciska:** "You know what that means"

**Annemiek, over een Koran:** "Is dat niet the lord of the rings?"

**Ollie:** "Dit is echt beter dan een sjaars."

**Ciska om 3.50:** "ik kom je even aanranden"

**Annemiek om 3.51:** "waarom the fuck gaat hij er niet in, ik zit in het gat!"

**Noël:** "Do you think that anything under 3 hours is short?"

**Daan:** "Anything over 2 hours is pretty long."

**Lora S.:** "We just tell them we need an extra laptop and then woops, it's the mobile bar."

**Tycho:** "deze ziet er beter uit, op die andere zit allemaal zaad"

**Lieke:** "Is dat een 3D printer?"

**Lotte:** "Nee, dat is m'n computer"

**Lieke:** "Oh dat leek op zo'n plaat waarop je kunt 3D printen"

**Lotte:** "Dat is een grafische kaart"

**Wietske doelend op GitHub:** "Dat moet je met de paarse kat doen, he?"

**Wietske de B.:** "Hoe maak ik van een list een nat list?"

**Maiko C.:** "Effe spugen!"

**Ruben W.:** "Ik vind meisjes wel smerig ja."

**Wietske d. B.:** "Destroy your coq!"

**Robin v. D.:** "Ligt het nou aan mij of zijn de kersen kleiner geworden?!"

**Mevr. W. P. de Bondt BSc BSc:** "Ik weet niet hoe ik moet bewijzen"

*Wietske en Bartjan zijn bezig met Coq*

**Wietske de B.:** "Die van jou ziet er leuker uit dan die van mij."

**Vriendin van Hiske's basisschool naar Ali in BAC**

**kleding:** "Waarom heb je een Raad van Elf pak aan?"

**Bartjan H.:** "Had je niet ook op een bepaald moment een Coq burnout"

**Maiko C.:** "Dat heet een SOA"

**Job:** "Toen ben ik naar Hubble gegaan. Dat was een slecht idee."

**Koen:** "Lies, wat is jouw bijnaam?"

**Sven M.:** "Ik ga, sinds ik bij I.V.V zit, standaard niet meer naar mijn oma's verjaardag."

**Senator Henkemans:** "Ik ben in mijn maag een straaljager aan het produceren"

**Dylan:** "Ik probeer mezelf wat harder te maken"

**L. Janssen BSc.:** "Ik weet niet meer hoe ik een lijn opstel tussen twee punten"

**Samuel tegen Robin:** "Wanneer heb je eigenlijk die broek aangedaan?"

**Samuel:** "Je eigen boekhouding verwijderen, tip: doe het niet"

**Sanne de W.:** "ik ben sinds kort een roker anders kan ik mijn 'Burn the Patriarchy' aansteker niet gebruiken"

**Sven M.:** "Waar zijn m'n vrienden?"

**Jeffrey M.:** "Nee, ik zeg dat Sven wel een sociaal leven heeft want hij is niet zo goed in Tetris."

**Inge S.:** "Ik had nog gezegd dat de agenda punten op de Trello moesten, en niet op WhatsApp."

**Ciska de G.:** "Maar in my defense, dat was ik vergeten."

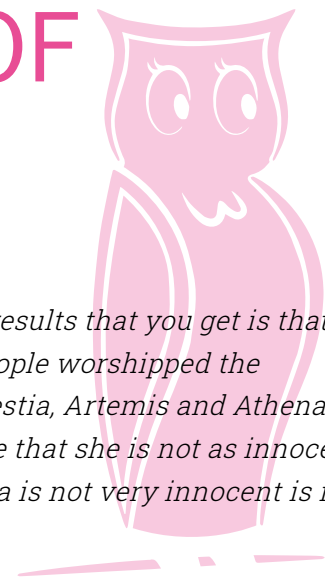
*Hizmet vergat een kapsalon mee te geven*

**Robin:** "Ah dat had ik gisteren ook met mijn dealer"





# THE INNOCENCE OF ATHENA



“ ...Athena is not very innocent... ”

**W**hen you look up innocence on Google, one of the first results that you get is that it is a euphemism for virginity. In ancient Greece, the people worshipped the Olympian gods, amongst them were virgin goddesses like Hestia, Artemis and Athena. The last goddess might be a virgin goddess, but I would argue that she is not as innocent as people might expect. One of these examples of how Athena is not very innocent is in the tale of Arachne.

TEXT Jelte de Kock

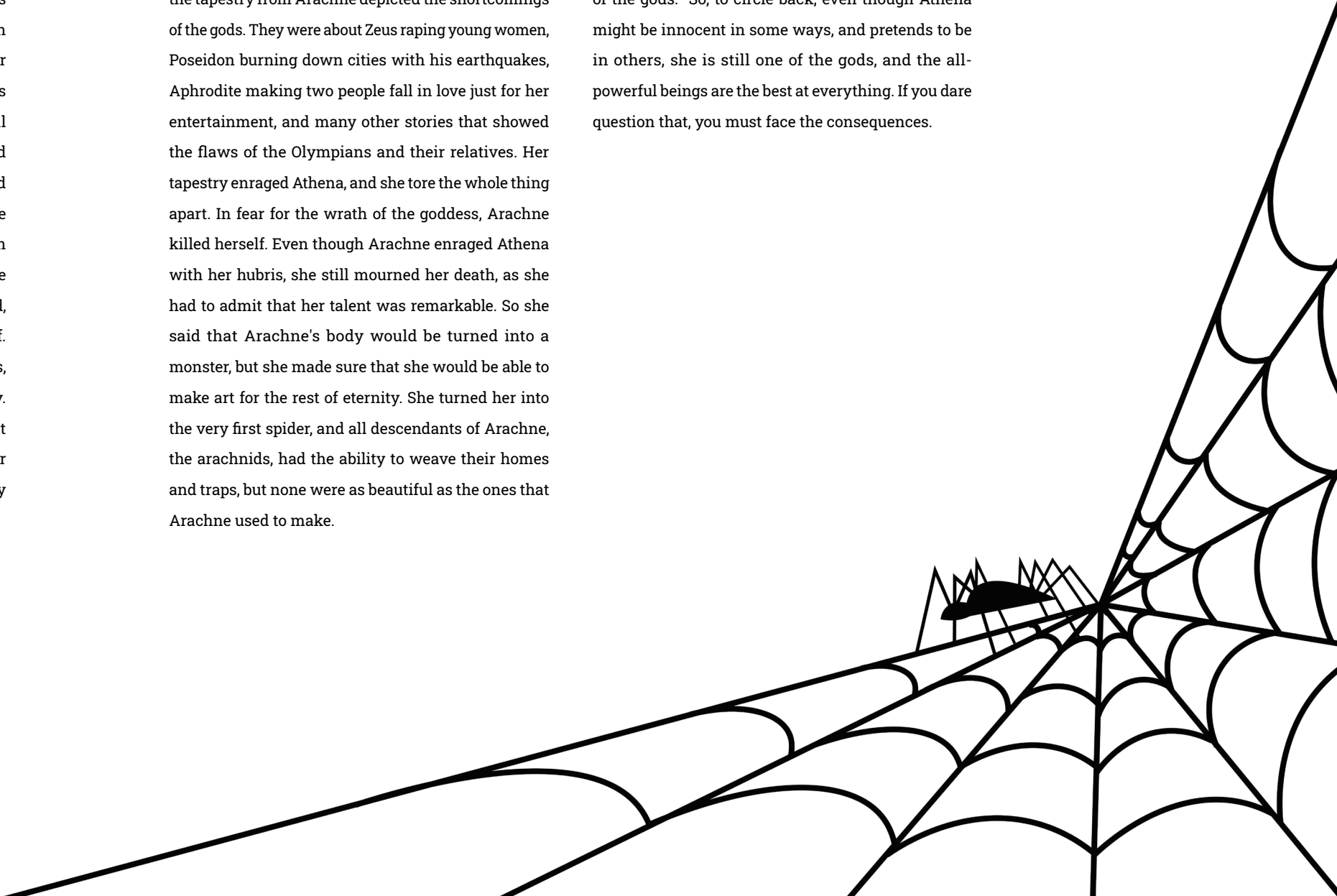
It all started when Athena was born. Her father, Zeus, had an affair with one of the Titans, Metis. While Metis was pregnant with his daughter, Zeus swallowed her so that Hera, his wife, would not find out. This however did not work, as Metis was a goddess and could not die. So a while later, Zeus had a terrible headache and ordered his son Hephaestus to split open his head, and from there emerged Athena, fully adult, and fully dressed for battle. And now the gods had someone new on their side, Athena the goddess of wisdom, strategic warfare, and protector of the city Athens. She did many great things for the humans, she gifted the olive tree to the people of Athens, from which they could make oil, which fueled their fires, they could eat the fruits, and use the wood for their homes. She is also the protector of the creative arts, and invented the loom and taught humans how to weave clothes.

“ While Metis was pregnant with his daughter, Zeus swallowed her... ”

Many years later a human woman was born. This woman, named Arachne, became very famous in Greece for the beautiful tapestries she was able to create. She became so good that her skills were not only noticed by humans, but also by the gods. The gods started to admire her work and wanted to hang it in their palaces. They praised her fine hands to whoever wanted to hear it. This also came to Athena, and as she was the inventor of the loom, and protector of all craftsmanship, she had to see for herself how good this woman was. To not alert Arachne, she disguised herself as an innocent, old woman and went to see how good she really was. When Arachne once again started talking about how good she was, she became a bit too confident and claimed that her talents rivalled, or even surpassed those of the mighty Athena herself. This is not a very smart thing to say about a goddess, and because of this Athena revealed her identity. Arachne was shocked, but stood by her opinion that she was better, which led to Athena challenging her to a duel. The person who could create the best tapestry could call themselves the winner.

People and gods from all around the world came to watch the duel and the two women started weaving. Everyone was very impressed with how well Arachne could keep up with Athena and they started to worry a bit, as you do not want to get on the bad side of a goddess. After they were done the jury came to inspect the artworks that Athena and Arachne had created and were shocked. The one from Athena depicted the gods in their battles, almighty and powerful, whereas the tapestry from Arachne depicted the shortcomings of the gods. They were about Zeus raping young women, Poseidon burning down cities with his earthquakes, Aphrodite making two people fall in love just for her entertainment, and many other stories that showed the flaws of the Olympians and their relatives. Her tapestry enraged Athena, and she tore the whole thing apart. In fear for the wrath of the goddess, Arachne killed herself. Even though Arachne enraged Athena with her hubris, she still mourned her death, as she had to admit that her talent was remarkable. So she said that Arachne's body would be turned into a monster, but she made sure that she would be able to make art for the rest of eternity. She turned her into the very first spider, and all descendants of Arachne, the arachnids, had the ability to weave their homes and traps, but none were as beautiful as the ones that Arachne used to make.

This story was told in ancient Greece to make sure everyone knew that you should never think that you are any better than the gods, they will always beat you. And even though Athena tricked Arachne by disguising herself as an innocent woman and made her say that she was better than Athena herself, she still felt remorse after she died. But instead of turning her into something beautiful, she felt the need to turn her into a monster because she dared to challenge one of the gods. So, to circle back, even though Athena might be innocent in some ways, and pretends to be in others, she is still one of the gods, and the all-powerful beings are the best at everything. If you dare question that, you must face the consequences.





## VOICING STUDENT'S OPINIONS TO THE RECTOR

**D**o you know that feeling when you are invited for a visit to the royal palace? Well, we (Wietske, Daan, Elwin and Alexandra) do! However, it was not actually a visit to the royal palace, but its university equivalent. On March 12th, we started our lunch break in front of Atlas 1.503, which had its doors closed for visitors. We pressed the button next to the door and waited for someone to let us in. I bet you are wondering now: what was going on? Well, we got to spend our lunch break with the Rector Magnificus, Silvia Lenaerts.

**TEXT** Wietske de Bondt, Alexandra Snobl

Obviously, this is not our regular Tuesday lunch break. We were invited for a so-called "Walk & Talk" with the Rector, which literally entailed the following: walking around campus and talking with the Rector. But why did we get to do this? As you might know, Silvia Lenaerts had only been the Rector Magnificus of the TU/e for 10 months at this point, and one of her goals is to connect with students and get to know their views on certain focus points. For that reason, she is going past all the different study associations to invite a selected group of students for such a Walk & Talk. Funnily enough, GEWIS was the first one to respond and therefore got to have lunch with her.

Although it was quite cold and windy outside (and Daan forgot to bring his coat), we decided to do our walk outside around our campus anyway. Wietske knew a nice walking route, and so we took off for our Walk & Talk. As a warming-up, she had a nice question

prepared for Silvia: what is her opinion on the Dutch submission for the Eurovision Song Contest, Europapa by Joost? It was nice to see that this ice-breaker worked, because Silvia had a laugh and told us that it was not her favorite type of music, but her daughter is a fan of the song.

As we continued walking alongside the Dommel on our way to the student's sports center, the subjects got more education-focused. Silvia told us about the ideas of the parliament about decreasing the BSR for students to 30 ECTS (which got rejected), and asked us about our opinions. Although Daan and Elwin are first-year students who still need to obtain all the credits for their BSR, we were all of the opinion that it was a good thing that the idea for 30 ECTS was rejected. It seemed that Silvia was pleased by us confirming this, as she was of the same opinion. It also brought us to a discussion about the differences between WO, HBO and MBO, and why it is a shame that some students are seen as 'better' than others, just because of their level of education. At this point, it was time to sit down for the lunch that we could find in our lunch bags.

Alexandra's review: 4/5. The lunch was very elaborate, especially for a student. We had a sandwich with some avocado guacamole and other toppings, which was great! I am a big avocado lover. Other than that, the bag contained a mueslibol, some water, a protein bar and a piece of fruit (in my case, an apple). I have never been a fan of "mueslibollen" and protein bars, but I do know that most people are. The apple was a nice addition, the university clearly wants us to stay healthy ;).

Wietske's review: 4.5/5. The lunch itself was great. It was a bit cold and windy outside, but at least we got some fresh air. I am a very slow eater which meant that I was eating for almost the whole time which did make it difficult to keep involved in the conversation. After all, you do not talk with your mouth full when talking with 'the queen' ;). The guacamole was tasty and together with the protein bar and some fruit, made for a healthy, tasty, lunch.

While sitting down with our lunch, the growth of the university was quickly addressed. Possible worries

such as shortage of housing, spacious lecture rooms and enough interaction moments with staff were brought up. Silvia comforted us with the fact that the university simply cannot grow bigger than it can handle. As our department is very international, also worries about the language demand by the Dutch politics were shared with the Rector. As students, we felt that the quality of education would go down if we were to switch back to Dutch education. Moreover, we felt that international talent would be lost, as well as the good alignment with the academic research world. Again, Silvia confirmed our worries and shared some ideas of the university on how to overcome this. It was cool to get some inside information.

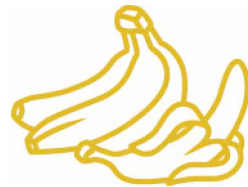
It is said that time flies when you're having fun and that was definitely the case for this Walk & Talk. After finishing our lunch bags, we suddenly only had ten minutes left to walk back to Atlas from the sports center while also addressing the last pressing topic. Silvia wondered how we experienced the rise of AI and ChatGPT within education and specifically was interested in how we envisioned it in e.g. five years' time. Both advantages and disadvantages were discussed but our overall vision was that it should be addressed and exploited within education. Mostly, to showcase both its advantages as well as potential risks. The specific form and implementation still needs some more brainstorming. For the latter, Silvia is very much open to hear ideas, so if you have some, feel free to share them!

To close off, we took a picture together to remember this awesome opportunity, in which we got to know the university views better, could voice our opinions, and also got to know Silvia better.



# MEET THE KANDIES!

**B**ello! It is time to introduce the new minions of GEWIS. In exchange for a banana, we are willing to spare you the gibberish and introduce ourselves in English. We are the candidate board of GEWIS. Which means we have two main goals: 1. steal the moon, and 2. go after the crown, which in this case translates to becoming mighty board members of GEWIS. We might not be seven traditional yellow minions, but aren't four crazy ones more fun? We promise to keep our evil side hidden, but as a compromise we do want to spread some chaos, and hence we have written each other's introductions, BAHAAAA!



TEXT Kandies

## TESSA

The first person that we will have to introduce is Tessa Verheul, GEWIS's next chair and external affairs officer! This is kind of ironic, as she does not really like chairs all that much. In fact, she broke her old desk chair, only for her to borrow another chair, which she ended up breaking as well. Legend has it that whenever Tessa needs to work at her desk, she will just do it standing. Anyway, grab a chair, because you will have to sit down for the introduction of this amazing person.

Before Tessa finally decided to move to the great city of Eindhoven and join this amazing university, she grew up in Lelystad, in the man-made province of Flevoland. Here, she picked up the eccentric hobby of synchronized trampoline jumping, although we believe that she might have just been on her own. After moving to the city of light and starting her



bachelor's in Applied Mathematics, Tessa became a well-known and very active member of GEWIS, joining the award-winning FYC GeEuclid in her first year, and many others afterwards. She organized the parent days in her first year, and made sure everyone could get a yearbook as chair of YBC22. In her second year, she got us all to bond with the study associations of Twente by organizing the DET-day. Currently, she is most known for being the chair of GEFLITST.

Did you know, however, that Tessa still has a life outside of GEWIS? She unfortunately couldn't go on doing trampoline jumping, but found a new hobby in aerial hoops, at student association Blue. Last year, she even became treasurer within the 12th board of the association. I've heard she's already a great board member over there, but I'm sure she will be even better as chair of the 43rd board, and I know that she will be just as good an external affairs officer as well.

## JENS

Next, we would like a minute of your time, to introduce our lovely kandie Jens Knapen! And this 'knaap' will become the next secretary of GEWIS. At the time of writing this article, he is exactly 11 085 489 minutes old! Expressed, of course, in the favorite time unit of any secretary!

He was not born in Brabant, but a bit further away from GEWIS. Specifically, he was born in the most southern city of the Netherlands, his slight accent might have given it away already: our lovely Jens comes from Mestreech. But it did not take him long before he settled here in Eindhoven.

Currently, Jens is in his third year of studying Computer Science and Engineering, and this is the same year where he became acquainted with GEWIS. Despite having no committee experience, he went all in with GEVAL, Intro24 and even becoming a kandie. So, it is safe to say we were all a bit surprised.



But there couldn't be someone better fit for the role. His innocence at GEWIS always sheds light to different perspectives. Furthermore, he is the type of person that is ready to help whenever it's needed and it certainly helps that he is allergic to spelling errors <3.

The role of secretary also requires a certain level of creativity, which I am sure he has. In his free time, Jens has a passion for playing his guitar and for photography. So only more reasons why it is such a perfect picture.



Besides secretary tasks, Jens will get the chance to experience everything he had to miss in his first year, as he will be in charge of the first-year committees, among other things, as internal affairs officer! His welcoming and friendly personality makes him a great choice for this function. This is also the reason why it's nice to have a chat with him at the bar, so make sure to approach him and say hi!

## ROBIN

And now let's go to Robin van Dijke! Or as some people know him, Ollie from the BAC. If you don't know why people call him this, just ask him, he loves to talk about it. Robin/Olli will be the treasurer of GEWIS next year. This function fits him very well, as he already has a lot of experience managing the finances of the BAC. Besides becoming the treasurer, he will also assist Jens in his internal affairs tasks, which we know he will be great at, as we have already seen him at work a few times!

Robin/Olly started his journey here in 2021 when he began his bachelor's in Computer Science and Engineering. During this year, he joined the winning FYC of that year, GeEuclid, as well as the ODC. In his second year, he quickly became very active. He is or at some point has been a member of the ABC, AViCo, BAC, Bata, C4, CBC, CC, GEBALLMERPIEK, GEPLONSDT, GESPORT, Intro23, Intro24, SR, Supremum, and TRAIN. He will also hopefully join I.V.V before he becomes a board member. Yes, it is quite a lot (basically all), but he still has some committees to collect on his GEWIS page.



Of course, Robin/Oly also has a life outside of GEWIS, which he forgets sometimes. He is from the city of Vlissingen in Zeeland. When he visits his parents there, he gets his hair cut by his mother, a very talented hairdresser, and goes running with his father, either for fun or to train for a marathon!

Like all the people you meet today, he is a very kind and caring person. Robin/Ollie is great to have a fun conversation with or drink a beer sometimes (I heard he likes to do that occasionally). Make sure to strike up a conversation, but don't be shocked if he only talks about money.

## JELTE

The next in line is the amazing Jelte de Kock. He is going to be our educational officer next year. Jelte is born in Graauw (yes, this is really how it is spelled), which is a really small village in Zeeland with less than 1000 inhabitants. Jelte is 20 years old and a third-year Mathematics student. He has, as you would expect, a heart for education.



In GEWIS, where he spends most of his time, he is best known for currently being the only man in the fraternity ATHENA. Being an "uiltje" suits him, because he is really sweet, energetic and has a large interest in cocktails. Besides ATHENA, Jelte is also a member of C4, GEFLITST, Intro24, and YBC22. However, he will always have a special place in his heart for his FYC GeËuclid, as that is where it all started.

When Jelte is not at GEWIS, he likes to work out. You can often find him spinning or playing squash with friends. Another intriguing fact about Jelte is his obsession with zebras, he even dressed as one on Animal Day (I recommend you look up the pictures on the GEWIS website).

Overall, Jelte is an amazing person, and we cannot think of someone better to be our educational officer. If you want to know anything about Jelte, cocktails, zebras or any other topic that you come up with, you can always talk to him. As a word of caution, Jelte is a very bad morning person, so, if possible, talk to him later during the day (or after/during a cocktail). But all jokes aside, just come up to Jelte for a chat, he is less scary than he looks.



*Infimum: A strange or funny quotation from a teacher, a student or faculty member. Here you can find infima sent to the Supremum committee via [inf.gewis.nl](http://inf.gewis.nl).*

**Roy K.:** "Die vuist omhoog zo was toch van the Hunger Games?"

**Gijs de M.:** "Nee man, dat was van BLM"

**Ciska:** "Ze houdt niet van bloemen, die gaan zo snel dood."

**Hiske:** "Naja, mensen gaan ook dood."

**Alexa V.:** "Kielhalen! Jaaa!"

*Het borrelrooster voor de BorrelXL wordt gedeeld*

**Sako:** "Wat is een Jarmo?"

**Vinz B.:** "Dat lijkt een beetje op knappe Maiko of zo"

**Mitchel:** "I'm gonna choke on this if I shove it all the way in"

**Ronnie:** "I want to be dikke Dave"

**Lora:** "I can tell you at least this: I like hand cuffs."

**Hiske:** "Ik heb liever wat minder zout als je dat niet erg vind."

*Ciska doet weinig zout*

**Hiske:** "Peper bedoel ik, als ik zeg zout."

**Ciska:** "Hiske ben je leeg??"

**Martijn:** "Victor maar verander Vic met fac"

**Lotte:** "Fucktor?"

**Robin v. D.:** "Ik zag een Robin vormig gat."

**Celine:** "... maar ik heb wel gevoelens."

*Slaat mug uit de lucht*

**Celine:** "Maar ik laat hem wel verdrinken."

**Martijn. v. D.:** "In Noord-Korea, heeft Noord-Korea het Eurovisie Songfestival gewonnen. Dat is gewoon prachtig."

*Noël ziet een vredesduifemoji*

**Noël:** "Gast wat bedoelt Ollie met een vogel emoji?"

**Annemiek:** "Hij staat zo zacht dat je niet eens voelt of t erin gaat"

**Annemiek:** "Ik ben nog nat"

**Jelte:** "The harder the better."

**Stijn at the C4 internal activity:** "Why is this activity so sexual?"

**Martijn:** "Zou ik dit gewoon pushen... naar main?"

**Anoniem:** "Hij smaakte naar Jenever"

**Lora during a board meeting:** "you can officially tell them they're fucking stupid"

**Ciska:** "gewoon nat je kleding in gaan"

**Celine de J.:** "Als ik alle punten krijg voor die vraag ga ik echt nooit meer mijn huiswerk nuchter maken."

**Lucas:** "4 kerncentrales?! Waar wil je die neer zetten?"

**Inge:** "Zeeland."

**Alexa:** "Wil je vechten? Ik moet plassen!"

**Jasper B.:** "Ja ik zat op de fontys maar verder ging het prima!"

**Jort:** "Ze hebben bij de BAC helaas geen Keta."

# SPREAD YOUR WINGS

The ATHENA logo, as you probably know, is pink with a beautiful blue owl. But what is so special about owls? And how do owls relate to the ATHENA members, or any people in general? The first question is easily answered; owls are very wise (or so they say) and of course very beautiful. But the second question requires some more elaboration.

TEXT Kim van Alphen

In the Netherlands, six different kinds of owls can be found. The first one is the barn owl ("kerkuil" in Dutch). Its Latin name is *Tyto alba* and it is the most widely distributed owl species in the world. This owl does not live in polar or desert regions, but it can be found almost everywhere else in the world. This characteristic can also be found in people that are not easily cold; they adapt to the weather really well. It can also show a liking for travelling and sightseeing in people. Barn owls usually stick to one partner unless one of the pair is killed. This translates to loyalty and devotion in people. For visible characteristics, the barn owl is medium sized and it has a relatively light plumage, so kind of like blonde hair.

Next up we have the short-eared owl ("velduil" in Dutch). This owl goes by *Asio flammeus* in Latin. The genus *Asio* refers to the eared owls, which is where the English name comes from. The Dutch name comes from where the owl is found, namely in open country and grasslands, so fields or "velden" in Dutch. The short-eared owl moves towards the south during winter, since it is not really a fan of the cold weather in the north. You can see the same with people that prefer the warmer weather of the summer over the cold and rainy weather during the winter. This owl is also known to lure predators away from its nest by appearing to have a crippled wing. This could show in human behaviour as being good at lying or acting.

Then we get the long-eared owl ("ransuil" in Dutch). In Latin, this owl is called *Asio otus*, again an eared owl. This owl is not strongly territorial or sedentary, which is unlike most owl species. It is partially migratory, so it moves to warmer areas during winter, just like the short-eared owl. Looking at the appearance of this owl, the long-eared owl is rather slim and usually has a darker plumage with a bold pattern. This can, in people, be represented by dark hair and maybe freckles or curls, but it can also show in just a more colourful choice of clothes for example.



The fourth kind is the Eurasian eagle-owl ("oehoe" in Dutch), which is called *Bubo bubo* in Latin. This is one of the largest species of owls to exist, and can therefore be represented by taller people. The Dutch name of this owl is derived from the sound it makes, which is a deep resonant *ooh-hu* with emphasis on the first syllable for the male and a more high-pitched and slightly more drawn-out *uh-hu* for the female species. This relates really well to the fact that men usually have a deeper voice than women. The Eurasian eagle-owl is usually not found in busy, urban areas, which correlates to people that prefer the countryside over the city, and that like to go to the mountains, as the owl is mostly found in mountainous and rocky areas.

Up next is the tawny owl ("bosuil" in Dutch). This owl is also called the brown owl and goes by *Strix aluco* in Latin. Tawny owls are highly territorial, which means that when young birds leave the nest but cannot find a vacant territory to claim, they will often starve. This might be a bit extreme when comparing this to people, but it shows in people who do not like to travel and prefer to just stay on familiar grounds and close to home. This owl makes its nest in a tree hole such that it can protect its eggs and young. You can see this represented in people by the bond someone has with their family. If someone has a very close relationship with their family, they also tend to protect and look out for them.



Lastly, we have my favourite owl, the little owl ("steenuil" in Dutch). Its Latin name is *Athene noctua*, and the owl is also known as the owl of Athena or owl of Minerva. This owl has its English name for a reason, since it is one of the smallest owl species that exist. The little owl, just like the tawny owl, is territorial, especially the males. They often stay in the same territory their whole life. This is, like said before, represented by people that prefer staying at home over travelling. The owl can recognise familiar birds by voice, and is less hostile to owls from neighbouring territories, kind of like how people can recognise their friends by voice. Next to these characteristics, this owl is my personal favourite because I think it is the cutest and prettiest owl. Its plumage looks like it has freckles and its eyes are small and yellow, which I think look adorable.



0

A Eurasian eagle-owl in flight

1

A tawny owl sitting in a tree

2

A barn owl looking into the camera

Now that you have a bit more information about these owl species, I hope you can identify the ATHENA members as these owls and I look forward to hearing your view on which owl fits which member best. Of course, I myself am not yet an owl, but only an *uilskuiken*. However, I hope to one day be as wise and beautiful as these owls, and of course the ATHENA members.







# GEWIS YA CINEMATIC UNIVERSE

One of the most common tropes in young adult books, and their movie adaptations, is the division of a general population into disjoint subsets. These sets can take various different forms, and can go by varying names. Take for instance the houses of Harry Potter, the districts of The Hunger Games, or the colors of Red Rising. In this article, we will take a closer look at the factions of Chicago in the book Divergent <sup>0</sup>, and I will try to convince you of the existence of a mapping of these factions to the fraternities of GEWIS.

TEXT Leon Vreling

## PREMISE

In short, Divergent is set in a dystopian society, where every teen is assigned to a faction when they turn 16 after taking a sort of personality test. These factions are called Abnegation, Amity, Candor, Dauntless, and Erudite. The goal of these factions is to divide the population, such that no one person can exercise their independent will and threaten the overall safety of the delicate population within the post-apocalyptic city. There are people that do not fit into any one specific faction, these are called Divergent.



## ERUDITE

Erudite is also known as the intelligent people, and they are often wearing blue. One of Erudite's main statements is that a disconnect among people with differences leads to conflict. There is one fraternity that also strives to remove this divide between people, namely the female students in a male-dominated study field. This fraternity also has the color blue in their logo, and a clear association to wisdom. This fraternity, which is named after the Greek goddess of knowledge, is of course ATHENA.



## DAUNTLESS

Dauntless is the faction of the cool people, and they are characterized by their bravery and courage. They let all their initiates jump out of a moving train. Within GEWIS, there is one fraternity whose main theme is going out of your comfort zone, and not being scared of any challenge. They also let members do some daring action in order to prove their bravery. The only logical mapping is, thus, to Défi.



## CANDOR

The members of Candor are honest, trustworthy, and very good at detecting lies. These traits do not automatically scream any particular fraternity, so we must look a little deeper to find a connection to any of them. They always dress formally, and often this entails wearing a suit. Within the Divergent society,

they occupy high positions like judges and lawyers. In these positions, they enjoy talking (down) to the rest of the city. Now, with these attributes, we might be able to find a matching fraternity. Within GEWIS, there is only one group that enjoys talking (a lot) and wearing suits, and that is I.V.V.



## AMITY

Amity as a faction is characterized by their peacefulness, friendship and harmony. The latter two can describe any fraternity of GEWIS, so we must look a bit further to find their GEWIS counterpart. The people that belong to this faction primarily work on the farms, outside of the main city. They live in harmony with nature, in wooden houses with a lot of windows, and sometimes even with a tree inside them. The logo of this faction is also a tree. Therefore, by these aspects, it is only fitting to map them to B.O.O.M..



## ABNIGATION

Then there is only one faction left, namely Abnegation. In the series, these people are distinguished by their selflessness, and they are seen exclusively wearing gray clothes. They never look into mirrors, and do not enjoy any luxuries, including alcohol, since that is seen as selfish. A clear connection does not come immediately to any fraternity, so we, again, need to look at some deeper links. Within the Divergent universe, most adults are a part of this faction. Within GEWIS, there is one fraternity that I would suspect to be the largest, based on their characteristics. This one group is also very good at attracting the gray masses, those we never see during other GEWIS activities. This fraternity is, which you might have figured since there is only one left, GEPWNAGE.

## CONCLUSION

Now that you have read all my connections between the five factions and the five fraternities of GEWIS, you might still be left with some questions or doubts. What happened to the Factionless? Does GEWIS also have Divergents, the titular characters that the whole series is based on? Who does the Board symbolize in all of this? All these questions are of course very important to fully flesh out this analogy. There is, sadly, not enough space in this article to answer all of them. Therefore, these open points are left as an exercise for the reader to answer!

<sup>0</sup>

Disclaimer, I did not actually read the books, I only saw the movies once...

<sup>1</sup>

Amity common room, featuring a large tree inside





# B.O.O.M. COCKTAILS

Now that we are at the start of the summer, it is time to prepare well for all the barbeque parties. Even though for most, the main focus of such a gathering will be the delicious food that comes off the grill, one must not underestimate the importance of some nice drinks on the side. By default, many of you will likely resort to a (craft) beer. Although I enjoy beer a lot, in my opinion almost nothing beats a nice and refreshing cocktail while sitting out in the sun. Therefore, I will provide you with a few simple recipes to try out at your next BBQ party!

TEXT René Tielen

## EQUIPMENT

Even though there is a wide variety of cocktail craft equipment available, there are only a few things you actually need to start making cocktails. Now, the first thing one might think of is a cocktail shaker which is of course correct. However, in case you don't have one and don't want any initial investment, you can simply use a glass jar with a lid to shake your cocktails.

Now, actually, that is all one really needs to start making cocktails. However, some other tools on the side might make your life a lot easier. When creating cocktails, the ratio of ingredients is very important to obtain the taste you want. For that purpose, one can use a jigger or any other liquid measuring device that is precise enough. Generally, you'd want to use something that is able to measure multiples of 5 or 10 milliliters.

The last tool that I will mention here that is often used when making cocktails is a strainer. This tool is used to sift the ice cubes and possibly muddled fruit pieces from the drink when serving. There are many types of strainers, however, when just starting out, all one really needs would be a Hawthorne strainer.

## BASE INGREDIENTS

With the equipment all sorted, it is now time to talk about ingredients. Most of the time, a cocktail consists of some type of booze, some type of sour ingredient, some type of sweet ingredient, a filler, and ice.

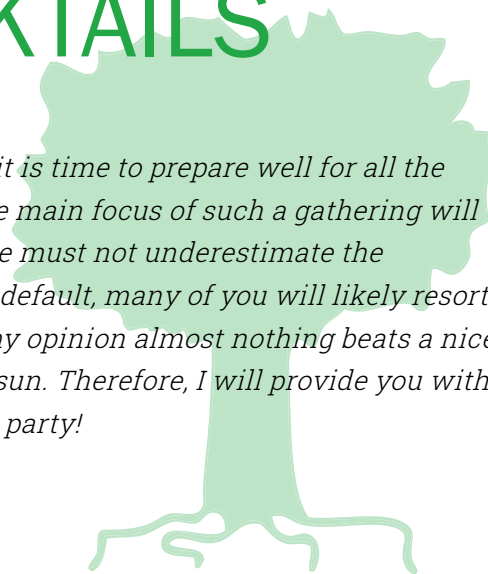
The booze part is pretty self-explanatory as it is just buying a bottle from a liquor store. However, it is important to note that one does not have to buy top-shelf booze to make great cocktails. You can often find a budget booze bottle which has little noticeable difference when used in a cocktail instead of the more expensive bottle.

The sour ingredient is most often lime or lemon juice. I absolutely recommend buying some fresh limes/lemons and juicing them yourself.

Then there is the sweet ingredient, which is often some type of syrup. These syrups can easily be made at home with just water, sugar, and possibly another ingredient to bring some flavor. Later in this article, I will explain to you just how to make simple syrup.

The filler ingredient will vary wildly between cocktails, however, most of the time it is just some type of soda or juice. Lastly, there is ice, now, I could bore you for an hour with talk about types of ice, how to make clear ice, and the effect that using different types of ice has on your cocktails. However, when you are just in it for a simple refreshing cocktail, you won't need all that.

With that introduction out of the way, it's time to actually start making cocktails! First I will teach you how to make simple syrup, a commonly used cocktail ingredient. Afterward, I will share two of my favorite cocktails with you!



## SIMPLE SYRUP

Simple syrup is as it says in the name, very simple to make. The ingredients you need are just sugar and water (you can just use tap water). There are various types of simple syrup with different ratios of sugar to water. This (2:1) simple syrup will be usable for around half a year if kept in the fridge.

### INGREDIENTS

- » Water
- » Sugar

### INSTRUCTIONS

2. Weigh 2 parts of sugar and add that into a saucepan (or any type of pan really).
4. Weigh 1 part of water and add that to the pan.
6. Put the pan on the stove on low-medium heat.
8. Heat up the mixture while stirring. Make sure that it **does not boil!** Otherwise the sugar will caramelize which is not the effect that we want.
10. Once all sugar is dissolved, turn off the heat and let the syrup cool down to room temperature.
12. Add the simple syrup to an empty glass bottle. Make sure to rinse the bottle with boiling water before putting in the simple syrup.

## COCKTAIL 1: BRAMBLE

The bramble is a nice and refreshing gin cocktail with a taste of lemon and brambles. The cocktail is traditionally made using a London Dry gin, (note: London dry is a style of gin, not a brand. It will mention this on the bottle.), a bramble liqueur called Crème de Mûre, lemon juice, and simple syrup. Crème de Mûre is not widely available in liquor stores, one can also use Crème de Cassis to make the bramble. It will taste a little different but still delicious.

### INGREDIENTS

- » 45 mL London Dry Gin
- » 30 mL Lemon juice
- » 12.5 mL Crème de Mûre / Crème de Cassis
- » 12.5 mL (2:1) Simple syrup
- » 1 Slice of lemon
- » 2 Brambles (berries)

### INSTRUCTIONS

1. Carefully measure all ingredients and combine them in your shaker.
3. Fill the rest of the shaker with an adequate amount of cubed ice. The amount of ice depends on step 4 and possibly on the size of your glass.
5. Shake until your hands are ice cold and condensation has built up on the outside of the shaker.
7. Simply dump the contents of the shaker into the glass. Alternatively, you can fill a glass with crushed ice (you can create this by putting ice in a tea towel and smashing it with a pan until the ice shards are very small) and strain the contents of the shaker over the crushed ice.
9. Garnish with a slice of lemon and 2 brambles and add a straw.

## COCKTAIL 2: MARGARITA

The margarita is a classic cocktail with many different variations known to it. The naming of these variations tends to differ a bit and be confusing. Therefore I will not specify the name of the specific variation we're making here. The margarita variant we are making is made with a tequila reposado made of 100% blue agave (it should mention reposado and 100% blue agave on the bottle), however, you can make it with any tequila of your choice. Furthermore, we will use the orange liqueur Cointreau, some lime juice, and some agave syrup. The agave syrup can simply be bought from the supermarket (it's often next to the honey).

### INGREDIENTS

- » 35 mL Tequila reposado
- » 15 mL Cointreau
- » 20 mL Lemon juice
- » 20 mL Agave syrup
- » 1 Lime wedge

### INSTRUCTIONS

1. Follow steps 1-4 from the previous recipe.
3. Garnish with a wedge of lime.



*Infimum: A strange or funny quotation from a teacher, a student or faculty member.  
Here you can find infima sent to the Supremum committee via [inf.gewis.nl](http://inf.gewis.nl).*

**Wietske d. B.:** "Het is al bijna twee uur"

**Ruben W.:** "Het is vijf voor tien..."

**Wietske d. B.:** "Dat is dus nog maar vier uur!"

**Leon:** "Daar zit de boeren belangenvereniging achter:  
Big Farma"

**Robin C.:** "Eetlust... is er ook drinklust?"

**Sanne de W.:** "Dat heet dorst"

*Er wordt gesproken over een Duitse trein*

**Anoniem 1:** "Wat is dat voor trein?"

**Anoniem 2:** "Een slaafwagen"

**Tessa:** "Weet je waar Timboektoe ligt?"

**Stijn:** "Dat is een echte plaats? Ik dacht dat het nep  
was, zoals verwegistan"

**Victor K.:** "Is Bali een land?"

**Stijn:** "Ja!"

*Lieke J. is ietwat onrustig aan het slapen dus Bartjan  
H. maakt haar wakker*

**Bartjan H.:** "Alles oke?"

**Lieke J.:** "Nee ik had een nachtmerrie over faculteiten  
en binomial coefficients..."

**Randy:** "Uit mijn ervaring is gebleken dat je best  
prima een bamiblok uit de frituur in de blender kan  
gooien en dan op kunt drinken als je m aanlengt met  
bouillon"

**Dhr. van Dijke:** "Yamaz!"

**Dhr. Oosterholt:** "Oh ja dat is vandaag de dag lekker  
politiek geladen"

**Mevr. Peters:** "Wat? Omdat het Grieks is?"

*Wietske and Samuel talking about Proving with  
Comp. Ass.*

**Wietske:** "It all again went wrong when I exploited  
the bottom."

**Robin v. D.:** "I have a bottom which would like to be  
exploited."

**Samuel O.:** "I had a nightmare about Functional  
Programming and tried to give a type to my iPhone  
alarm."

**Ollie v.d.B.:** "Wat voor event gooit dit dan?"

**Ruben W.:** "Carnavalsland"

**Leon tegen Mark:** "Ben je je broek aan het uitdoen?"

**Saelia to Elwin:** "Oh, you're wearing pants!"

**Leon V.:** "Waarom zit er niemand aan de bar?"

**Rene T.:** "Ik kom zo wel aan de bar zitten."

**Leon V.:** "Maar ik moet dingen gaan doen."

**Leon V.:** "Ik zoek een goed dystopian boek voor  
jongvolwassenen."

**Robin van D.:** "Git for beginners."

**Ruben nadat hij de nietmachine die hij net had  
gebroken weer werkende had gekregen:** "ik ben echt  
goed in wat ik doe"

**Robin van D.:** "Did you miss your flight?"

**Ece E.:** "Which flight?"

**Robin van D.:** "Your flight to yap island."

**Naomi:** "Een slaapmasker is gewoon een hele sterke  
zonnebril"

**Lucas:** "What is this excitement for?"

**Saelia talking about Lizzy:** "She is leaving!"

**Leon:** "Kijk ze hebben nog begrafenis cake!"

**Annemiek, volledig lam:** "Ik ben niet tappie"

**Annemiek tegen Ollie:** "Ik zie jou zo niet als I.V.V"

**Noël over HEFT:** "Dus volgend jaar nog een keer?"

**Ollie:** "Ja dan is de kater wel over denk ik."

**De kandie vz bij het schrijven van een  
Supremumartikel over de kandie secr:** "Ik ken deze  
jongen helemaal niet"

**Ruben W.:** "He is Chinese, he knows facts."

**Lora S.:** "But Inge is not Chinese?"

**Lucas:** "37 heeft ook een heel mooi bestuur  
geproduceerd"

**Samuel:** " pas op want ik achterhoek jou. Ik  
achterdoek jou, achterboek jou, nee laat maar"

**Niek L. C.:** "This really is big science"

*Inge en Ciska maken huiswerk*

**Inge S.:** "Ciska, hoe heb jij l4 gedaan?"

**Ciska de G.:** "Owh, daar heb ik gewoon naar het  
antwoord gekeken!"

**Loek C.:** "Apart from my bad handwriting, any  
observations?"

**Alexa V.:** "Ik moet een van de kinderen ook nog"

**Hiske K.:** "Islamic Jesus"

*Just finished a murder mystery game*

**Emi:** "This would've been much easier without all  
that useless information"

**Elwin:** "Yeah why didn't they just give us only the  
clues we needed"

**Koen D.:** "They should have given us only 1 suspect"

**Ece:** "If I would be any more fun I would get an STD"

**Alexa V.:** "Nu heb ik allemaal kinderen overal"

*Hiske moet rustig aan doen*

**Inge:** "Rustig aan doen betekent meestal ook niet

drinken."

**Hiske:** "Hoezo? Ik kan heel rustig drinken."

**Hiske, over wat dronken mensen in de kroeg:** "Nou,  
ze hebben tenminste vrienden gevonden"

**Bartjan H.:** "Is het je ooit opgevallen dat Mokveld echt  
een heel erg hete reet heeft?"

*Robin moppert over dat zijn PR niet geaccepteerd  
wordt omdat alles stuk blijft te gaan*

**Tom:** "maar test je die dingen dan niet zelf voordat je  
pusht"

**Robin:** "nee tuurlijk niet, daar heb je reviewers voor"

**Pim:** "Moet je maar groter zijn!"

**Sunny:** "Je weet dat GEWIS steeds internationaler  
word, dus de gemiddelde lengte van GEWIS gaat  
omlaag."

**Bartjan H.:** "Daar kun je van die fold-over pizza's  
krijgen!"

**Ruben W.:** "Calzone."

**Bartjan tegen Robin v D.:** "Het is een persoonlijk  
project onder BAC'ers om jou te vermoorden."

**Ruben W.:** "Als het biertijd is, is het gewoon avond"

**Roy K.:** "Behalve voor Ollie, want hij is een  
dagdrinker"

**Martijn v. D.:** "Als je drinken over je toetsenbord gooit,  
dan verdien je het om geschorst te worden."

**Job:** "tray viper? Ik dacht dat je zei 2 viper!"

**Randy:** "Noem eens een getal tussen 1 en 100."

**Anne:** "uhhhh... 200!"

**Roy over de Supremumcommissie die infima wilt  
schrappen om de editie op 52 pagina's te laten  
passen:** "Censuur!!!"



# CISKA AND HISKE AND THE MYSTERY OF THE 2ND FLOOR

*If you have ever been in the elevator of MetaForum, I am sure you have noticed that there is no button for floor 2. You might have been a bit confused, maybe even wondered why that is and then went on with your day. Well, that is not what I did. I have always been fond of puzzles and the missing elevator button has been bugging me for ages. Did they simply forget? Is it some sort of conspiracy? Let me take you on the journey I took when trying to solve this age-old question.*

TEXT Ciska de Greef

It all started on a seemingly random Tuesday. I stepped into an elevator for the hundredth time and once again I saw that annoyingly missing button. It was taunting me. That is when I made the decision: I had to find out what happened. I started planning immediately. The simplest solution was of course looking at the building plans. After a bit of research, I realized this would not be an easy task. You can request building plans of buildings at the municipality of Eindhoven, however only for your own home. I was not going to let this stop me and figured if I went to the municipality and put on a sweet smile, they might help me.

So, there I went on Wednesday afternoon, with a plan that was doomed to fail. It was really busy at the 'Inwonersplein' 0, so I had to sit and wait for a while. Looking around the room, everybody was walking around busy and stressed. Then I noticed him for the first time, the only one standing still in a corner: a tall man, dressed in a black coat with a prominent scar on his right cheek. A strange figure for sure, but nothing I was too worried about at the time. Behind the desk was a sweet old lady that seemed like she had worked there for longer than I had been alive. I explained my situation, how I wanted to look at the building plan, but this was not possible as I did not actually live there.

The lady smiled: "O sweetheart of course I will help you, you seem like a smart young lady. If you promise not to tell anyone, I might be able to sneak you a copy."

This took me by surprise: would it really be this easy? While the lady stood up to get my copy, I stood there wondering what the plans would tell me. Looking around, I caught the strange man looking at me. I shivered; I was probably imagining things. After a few minutes the lady came back with a folder in hand. With a wink, she said: "Here are those 'forms' you requested."

"Thank you so much!"

With a big smile on my face and the folder pressed tightly under my arm, I left the building. Once outside I could not withstand the urge to look at it any longer and opened the folder. Quickly I leafed through the pages: floor -1, floor 0, floor 1, floor 3, floor 4 ... Wait what? The plan for the second floor was not in there. I let out an angry sigh, annoyed that I had thought this would be so easy. Slowly this time, I looked through all the pages again, but the 2nd floor was missing from the building plans. As I went to put the folder in my backpack, I felt frustrated; I was back to where I started. I grabbed my bike and went back home, where I sat

down at my desk. Once again, I went through all the pages and spread them over my table. Maybe there was some sort of code that could be found. I sat there for hours, just looking at those plans, trying to find a pattern. At around three at night, I decided it was time to go to sleep, but in bed I just kept staring at the ceiling, questions running through my head. Why was the 2nd floor plan not in the folder? Where did it go? Did someone take it out? Did the lady from the municipality know something I did not? And who was the strange man staring at me? Was he even staring at me?

I did not sleep at all that night. Exhausted, I grabbed my stuff to get ready for the day when one of the pages slid on the floor, upside down. I let out a gasp, there was something on the back! Hastily, I turned over all the pages, trying to understand what it said. Laying them all out from basement to top floor revealed the following words scribbled on the back: 7 7 -1 -1 open closed open closed 1.

Those numbers matched the floors of MetaForum! I do not think I have ever gone from my house to the university that quickly. I ran inside on floor 0, pressed the up button and hoped for the best. The elevator on my right opened and I walked inside. I pressed the buttons: 7, 7, -1, -1, open doors, close doors, open doors, close doors, first floor and finally floor 0. With a small ding the elevator doors closed, and I simply stood there, staring at my own reflection in the mirror. Nothing happened. I felt foolish for believing anything would happen. Finally, I reached for button 3, when suddenly the elevator started moving. I was going up! Excitement quickly turned into fear: what the \*\*\*\* was happening? I passed floor 1 and a bright 2 appeared in the LEDs above the buttons, as the elevator slowed down. The doors opened, but it was hard to distinguish anything, because of the dimmed lights of the elevator. Terrified, I stepped outside. Something cracked in the distance. I saw the shadow of a person in the distance. Then suddenly everything went dark.

To be continued in the next edition...





# SOFTWARE PROJECT

## AURORA TO BRING COLORS IN THE GEWIS ROOM TO LIFE

*In 1880, Thomas Edison received the historic patent on the incandescent lightbulb. With this invention, mankind was able to “efficiently” produce artificial light, mostly to no longer be in the dark after sunset. We as Eindhovenaren know all about it: without Philips starting the production of lightbulbs in 1891, Eindhoven probably wouldn't have become the 5th biggest city of The Netherlands. Now, a lamp's purpose is no longer to simply light up a room, but for example creating a better workspace or setting a certain mood in a room. At the TU/e, we even have the Intelligent Lighting Institute to do research on these topics.*

TEXT Roy Kakkenberg

But what does all this have to do with GEWIS? Well, in 't Dakterras we have two types of lighting systems, namely the default Metaforum office lights, but also our own “party lights”. The latter set of light sources is used every borrel and also at other activities that benefit from a different ambiance than a Metaforum office. AViCo and the BAC achieved this by just setting these lights to a static color. However, many years ago with the old “party-lights,” I found out that you could also apply some animations or effects to the lights, even though this was fairly limited. This (as you can imagine) sparked some interest.

In 2022, these old lights were replaced by new ones. The old spots were already 10 years old and LED technology has improved quite significantly over the years. While the old fixtures had 36 small red LEDs, 36 small green LEDs and 36 small blue LEDs for a total of 108 LEDs, the new ones have seven big LEDs that can all produce red, green, blue, cold white, warm white, amber (yellow/orange) and UV light. This brings many opportunities to choose just the right color for specific activities. The new system also includes two so-called moving heads, which are able to project a beam of light in three dimensional space!

### THE WHY

The new system could already do more colors and effects than the old one, but it was still “dumb”. On the controller, you choose a mode and a speed. That's it, and that is also all it can do. This is of course fine for simple activities like a borrel, but even then you might want to do fancy stuff like having the BAC logo (which is now projected on the wall each borrel) turn figure-eights on the floor to hide an empty GEWIS room at the start of the borrel. The idea to truly leverage the power of the new lights system already existed when the plans for the new lighting system were made. Implementation actually started not soon after with the birth of the “AViCo Centurion Marathon”.

This activity was an idea of Samuel, Gijs and I, where lighting could play a primary role in the room. By flashing lights during each horn, the lamps would actually support the music that is playing, which in turn made the activity itself much more special and unique. However, this would require us to synchronize the audio with the lights (and the TV screens for a supportive role). The first proof-of-concept worked well enough, but was not a sustainable solution, as it was not trivial to get the software to start. Furthermore, the program was completely tailored to these types of mixes, so it would not be possible to use it for any other purpose.

Secondly, there also was the desire within the ABC to renew the Infoscreen (the TV in the boardroom) and the postscript (the TVs in the room showing posters) into a single narrowcasting system, as both have their limitations. The Infoscreen for example does a full-page refresh once in a while to refresh the information being displayed, as its database is an on-disk JSON file. The postscript works as a black box using Trello, which makes it difficult to fix things in case posters get broken (which happens more often than you think).

“ The new system could already do more colors and effects than the old one, but it was still “dumb” ”

All these things inspired me to build a software system that could control the GEWIS party lights and the screens and synchronize these with music, which allows lots of effects that play on the beat. But it comes with several caveats, because the system should be versatile enough to support all creative ideas.

### THE (TECHNICAL) HOW

For the second edition of the Centurion Marathon, the first version of Aurora (the new narrowcasting and lighting system) was ready. Based on a publish-subscribe architecture using websockets, devices like screens, light controllers and audio players can connect to Aurora and listen for incoming commands. Aurora then sends messages to each device telling them what to do, which keeps the logic centralized in the core application and keeps the logic in the listening devices simple.

Most of the work lies in abstractions to make all complex details transparent, like how each light works or how you change the color of each light. Maintainability is maybe one of the most important

non-functional requirements in this project, because otherwise Aurora will become difficult to keep running in a few years (and me being graduated). It would be sad to see a project being retired because no one understands anymore.

Controlling the lights is the largest and most complex part of the software. To send instructions to different fixtures, DMX512 (also called just DMX) is the industry standard to achieve this. For those who this name does not ring a bell: DMX512 is a serial communication bus of 512 channels, where each channel has a value between 0 and 255. Fixtures, like the spots and moving heads, then listen to a defined range of channels.



Because every fixture has its own implementation of the DMX protocol, not all channels have the same effect. This makes it very difficult to harmoniously control the lights, so Aurora abstracts from all these details and only keeps simple interfaces and methods (like functions to set colors) to the developer. Moreover, the actual channel values need to be sent to the bus so the fixtures can change their colors. Aurora does this at a frequency of 35Hz and implements this by a simple event loop. Every component that handles the changing of the lights has its tick method called around 35 times per second. To synchronize with the beat of the music, every component can also implement a beat method, which is called on every beat of the music. With these two event loops, it becomes really easy to create all kinds of effects.

## THE WHAT

But what can we now do? The Centurion Marathon is a prime example of the possibilities, but it is now fairly simple to add new effects for the lights or new modes to the system in general (Spoelbakkenrace anyone?). With a simple click, you can change what a screen in the room is showing to everyone. And with a few clicks, you can switch from a boring office to a vibrant afterparty at GEWIS. We have already seen something like this, as Aurora was the software that controlled the lights and visuals at the Feestcafé "De BAC"-borrel.

“ And with a few clicks, you can switch from a boring office to a vibrant afterparty at GEWIS ”

In my opinion, most of the magic lies in the effects that we can now create. Things like waves (a light going around the room) and sparkles (a random light turns on and off again at high speed) are now very easy to make and bring a completely new vibe to the room. But most importantly, this has all become very accessible for GEWIS members. With the old controller the barrier of entry was much higher, because you needed to know how the controller works. Aurora takes away all these problems and makes fun light configurations much easier!

Even though Aurora is not fully in production at the time of writing, I already feel we are now able to fully utilize the power of the new lighting system. With new effects and automated control, it has become easier than ever to transform 't Dakterras into any mood that one desires. The Intelligent Lighting Institute can be proud.

## WHO ARE YOU?

*Dear readers, we have heard your pleas for the follow up to our last article. The alphabet has not yet cast us aside as its interpreter, and we are pleased to transfer its wisdom and predictions to you once more. Do note, precious souls, that what we write is simply the will of the universe. We cannot be made responsible for any existential crises you have after learning your fate.*

TEXT Lucas Muller, Arend Roijackers

MEMBER





## XI · Ξ

You like to do the unexpected, and you don't mind if people look at you weird. You act on impulse and like to take on a challenge. This can make people wary of you, as you are not the most reliable person to follow through on your plans. This year Venus has no retrograde, allowing you to find your stability in love. You will meet someone who calms you down, while encouraging your impulsiveness.

## OMIKRON · Ο

As one of the signs of deletion, you care about the big picture. More often than not, you think about how things will turn out without letting small inconveniences hold you back. It's easy for you to lose track of time, since you do not have a complete overview of all that needs to be done. This can lead to you being overconfident, unless...

## PI · Π

People sometimes describe you as irrational, which should be no surprise to you. With your hot-headed nature, you find yourself impulsively buying whatever you heard is cool. You need to find who you are, rather than being the product of others' personalities, as this will bring more inner peace.

## RHO · Ρ

People think they know what to expect from you. However, you are not what you seem, and are good at masking your true identity. All the effort spent on maintaining this mask is preventing you from growing. You should lower your resistivity, and allow others to change your mind. This will not be easy.

## SIGMA · Σ

You appear quiet to those who do not know you, but are outgoing once they speak with you. You are on a similar hierarchy to an alpha male, but simply less extroverted and more in tune with yourself. You will make a new bond with someone who can teach you that it is okay to not know things.

## TAU · Τ

As someone easily lost in details, you can be quite stubborn. Sometimes you take an unexpected step that you know will help you reach your goal, but is hard to understand for others. Some might call you spontaneous, but all your decisions are carefully crafted. In the end all these tiny steps you take will have others realize that you knew what you were doing the whole time. Keep it up.

## UPSILON · Υ

You are a creature of the night; preferring the moon over the sun. When most are in deep slumber, you feel motivated to pursue your goals. During this time, you also work fast, both physically and mentally. This drive you feel has the potential to overtake your full being, which will make you a servant of your work. If you are not careful, the next time this happens you could be consumed fully by your work ethic.

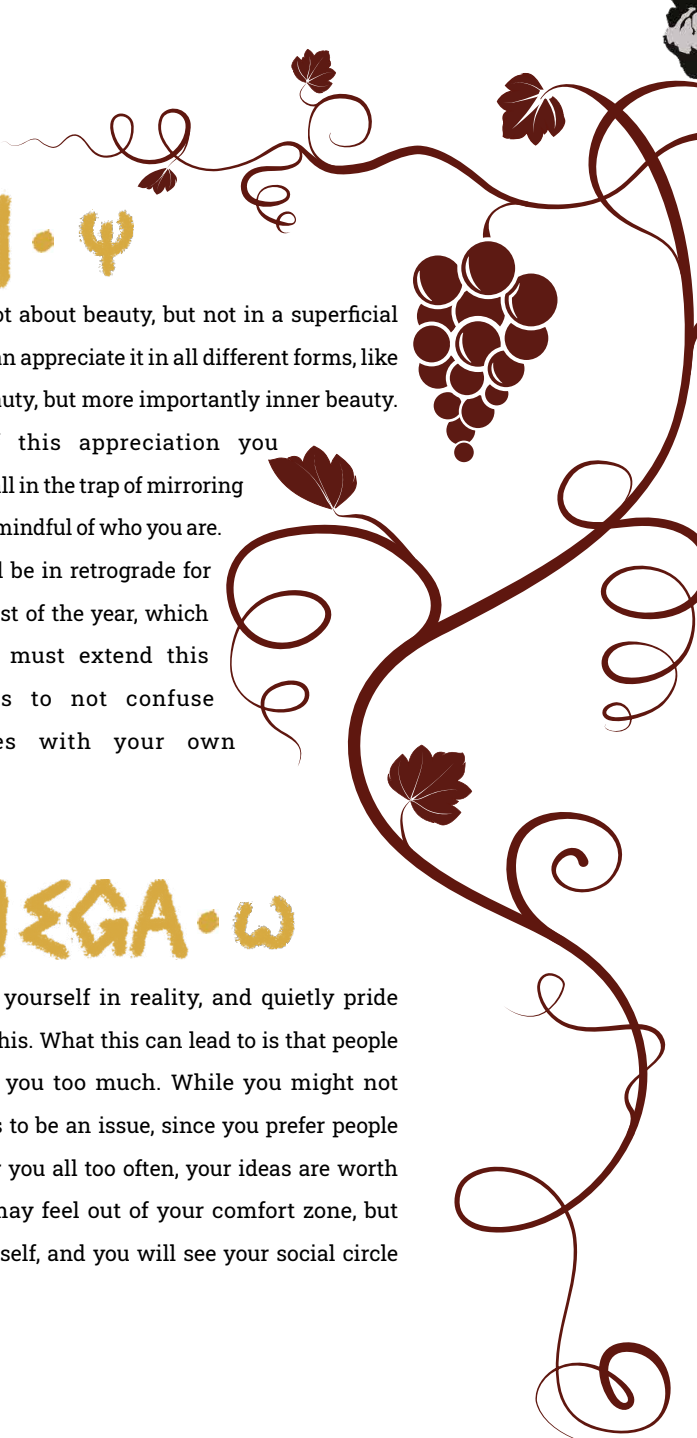
## PHI · Φ

Preferably you think everything through thoroughly, then you act. This is to be expected from one of the reading signs. While this does mean that you are rarely in conflict, it also presents missed opportunities. There is a lot of potential for where you can put your energy, but you must be your own catalyst. Get out of your head and embrace the flux of life.

## CHI · Χ

You are a colorful person. Having many friends, you are very likeable and a good communicator. However, you struggle to convey your true emotions and usually hide what you actually mean to keep up this persona. The alphabet feels your efforts to better yourself, so do not give up, but remember to welcome help.

## PSI · Ψ



You care a lot about beauty, but not in a superficial sense. You can appreciate it in all different forms, like aesthetic beauty, but more importantly inner beauty. Because of this appreciation you sometimes fall in the trap of mirroring others, so be mindful of who you are. Neptune will be in retrograde for nearly the rest of the year, which means you must extend this mindfulness to not confuse externalities with your own personality.

## OMEGA · Ω

You ground yourself in reality, and quietly pride yourself on this. What this can lead to is that people don't notice you too much. While you might not consider this to be an issue, since you prefer people not to bother you all too often, your ideas are worth sharing. It may feel out of your comfort zone, but express yourself, and you will see your social circle flourish.

With the alphabet now completed, we shall focus our interpretive capabilities on a new realm for the next edition. We have reached out to this entity and are happy to announce it has responded well. We will return.



# COOKING WITH ATHENA: BLUEBERRY ROLLS



It is not a secret that ATHENA likes things sweet. For every meeting we let someone bake a dessert (sometimes involuntary). During our lustrum week we had a hangover breakfast with just sweet food. We have even had an internal dinner with just desserts. This was delicious, but after 11 desserts you get really nauseous apparently. Therefore, we want to share with you one of our favourite recipes, that is also very easy to make: blueberry rolls.

TEXT Ciska de Greef – ATHENA

## STEP 1

Preheat the oven at 200 °C. Clean the lemon, then grate its skin and squeeze out half of it.

## STEP 2

Roll out the croissant dough. Spread the blueberry confiture over the dough and sprinkle the lemon grate on top. Cut across the vertical lines in 3 equal slices (do not cut the diagonal lines!). Spread the blueberries over it.

## STEP 3

Roll the slices over the long side and cut each in 8 pieces. You should now have 24 small rolls. Spread these in the baking tin. They can touch a bit, but do not put them too close together. Bake the rolls for around 20 minutes in the oven, until they are golden-brown.

## STEP 4

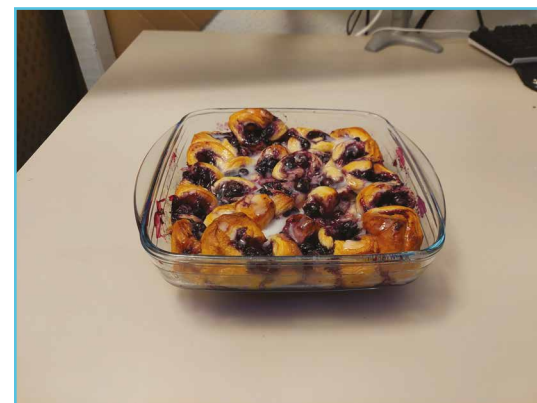
Mix the powdered sugar with 1 tablespoon of lemon juice and spread this over the rolls.



## INGREDIENTS

- » 1 Lemon
- » 350 grams of fresh super croissant dough from a can (you can also make your own, but this would take a bit longer)
- » 100 grams of Bonne Maman blueberry confiture (can also be made from scratch)
- » 75 grams of blueberries
- » 30 grams of powdered sugar

The rolls are best when fresh out of the oven, when they are still warm! Hopefully you will enjoy this recipe as much as we do.



Infimum: A strange or funny quotation from a teacher, a student or faculty member.  
Here you can find infima sent to the Supremum committee via [inf.gewis.nl](http://inf.gewis.nl).

**Jeffrey loop GEWIS binnen op ouderdag:** "Ik hoef me nu gewoon niet oud te voelen"

**Jelte tijdens de ouderdagen over ATHENA:** "zo organiseren we bijvoorbeeld binnenkort een knutsel workshop"

**Elwin:** "Ja mam we mogen wat opdrachten gaan maken en met we bedoel ik jij, ik ga naar de wc"

**Theo, sjaars:** "Sjaars is a state of mind"

**Randy to Ece:** "I have been to a mosque more than you have been."

**Bartjan H. op een zeilboot:** "Als ik nu 'wie dit hoort trekt een bak' roep, dan moeten zij allemaal een bak vouwen"

**Liselotte S sees a man with a buggy:** "brrrrrrrrrrrr"

**Willem vd B:** "Je moet hem er recht in stoppen."

**Noël:** "Hier kijk kom."

**Lucy:** "Ja maar ik heb al het voorwerk al gedaan."

**Jens K.:** "Ece, did you have a nice Pentecost?"

**Ece E.:** "I am from a Muslim country."

**Jens K.:** "That was not the question."

**Stijn:** "ik heb homofomo"

**Lucas:** "langzaam verdwijnt de fomo en ben je gewoon homo"

**Stijn:** "ik kan niet wachten"

**Bartjan H.:** "415: I am a teapot"

**Noël van de V.:** "Niet iedereen was het met me eens, maar ik was het wel met mezelf eens."

**Lora S. to Robin v. D.:** "You're left handed?"

**Robin v. D.:** "Yes."

**Lora S.:** "Ew"

**Victor:** "Ik heb geen huisdier, ik heb Tessa."

**Jasper B.:** "Ja maar het is alleen een AVG'tje als er geen spekjes in zitten"

**Heel GEPWNAGE:** "Waar denk je dat de V voor staat"

**Thomas:** "Dat weet ik niet meer, ik was naar zijn gat aan het kijken."

**Jelmer:** "Als iemand vraagt of ik wil rijden dan zeg ik geen nee"

**Elwin:** "Wil je rijden?"

**Jelmer:** "Nee"

**Robin v D.:** "Kijk, hier kan ik dus niet thuis slapen dus ik doe het nooit verkeerd."

**Ollie:** "Er zijn een paar dingen in het leven die ik niet snap: Geld...."

**Tessa:** "Dit gezellige dorpje lijkt een beetje op Vught"

**Sandor:** "De laatste keer dat ik in Vught was vond ik de sfeer wel minder gezellig eigenlijk"

**Stijn:** "Dat was kamp Vught Sandor"

**Tycho v d A:** "Een speedo is zegmaar het tegenovergestelde van een burka."

**Tessa V.:** "Wat hebben Australië en Flevoland gemeen?"

**Luuk B.:** "Dolfijnen?"

**Op de Kruisstraat:** "Ja die Cleopatra, die heeft gewoon het hele Romeinse rijk bij de ballen gepakt he."

# YO SIBLING

## A TALE OF DETERMINATION AND GROWTH

*In the tapestry of my life, there's a thread that gleams brighter than most—a thread woven with the unconquerable spirit of my sister, Anne. She's a force of nature, a testament to the power of determination and hard work. From the earliest days of our childhood to the bustling cityscape of Eindhoven where she now thrives and has truly blossomed into her own.*

TEXT Marieke Bierens

Anne's resolve is a force to be reckoned with. I've seen it firsthand, witnessed her unwavering commitment to achieving her dreams. It's a quality that has been with her since our days of youthful innocence, where we were two peas in a pod, inseparable in our adventures. Despite our differences in interests,



*Soloist competition - Anne won 1st price in the 3rd division*



her fondness for Barbies contrasting my love for Playmobil, we shared a bond that transcended mere hobbies.

But it wasn't just in play that Anne's determination shone through. Even in our early years, she exhibited a drive that belied her age. When we joined dance lessons together, or later the recorder classes at Harmonie Sint Caecilia Hoensbroek, Anne approached each endeavour with true passion. It was during these formative years that she first displayed her musical ability, choosing the largest instrument despite her being the tiniest girl in the world. Later she switched to the clarinet mirroring my own choice. And true to form, she excelled, her dedication evident in every note she played.

High school brought with it new challenges, but Anne faced them head-on. She knew exactly what she wanted and she wasn't about to let anything stand in her way. In her final year, she decided to tackle mathematics B as an extra subject to achieve her goals.



*Anne in the parade with her clarinet*

Even the teachers doubted her, because this normally takes 3 years to complete. Yet, Anne proved them wrong in spectacular fashion.

**“ And true to form, she excelled, her dedication evident in every note she played ”**



*Her own created bangs (already a little grown out - so imagine how short it was)*

It was a move to Eindhoven that truly marked Anne's transformation. In the vibrant cityscape, she found new friends and, dare I say, her soulmate. Her boyfriend, who has my wholehearted approval by the way, has been a beacon of support in her journey. Together, they've created a life full of love and understanding, one that complements Anne her unwavering determination.

Yet amidst her triumphs and achievements, Anne remains grounded, never forgetting her roots. It's a trait that's demonstrated in the most unexpected of places—her skill in hairdressing. From the innocent days of childhood when she decided to trim her own bangs, with questionable results I might add, to becoming my own personal stylist for braids even in my adulthood. Anne's talent knows no bounds.

As I reflect on Anne's journey, I'm struck by the beauty of her evolution. From the shy, reserved girl I once knew to the confident, determined woman she's become, her transformation is nothing short of inspirational. Her story serves as a reminder that with firm determination and hard work, anything is possible. Anne embodies the essence of resilience, constantly evolving and embracing every twist and turn with grace. I am filled with pride and gratitude for the remarkable woman she has become—a beacon of light in a world often clouded by doubt and uncertainty.

# HOW TO SELL DRUGS (SEMI-LEGALLY)

*In my life I've had a number of different jobs. The most boring ones were probably working at a supermarket, ice cream parlor, and/or Blokker. Then there is the time I had to take care of 200 chickens for a German lady who did DJ-ing gigs in India. Although that last one might sound unbelievable, it is in my opinion not the craziest job I've had. As the title might suggest, and absolutely in line with this edition's theme, in this article I will tell you a little bit about how to sell drugs (semi-legally). That is, selling weed in a coffeeshop. The aim of this article is not to convince you or encourage anyone to interact with weed or drugs in general, it is simply meant to serve as an informative piece about working in a coffeeshop.*

TEXT Filomijn van der Poel

Let me start by telling you a little bit about the particular coffeeshop I work at. This coffeeshop started as and has pretty much remained a family business, founded by a Turkish couple about 30 years ago. A large part of their immediate family is involved in a plethora of tasks, all necessary in order for the shop to function efficiently. Despite not being related to them at all, it sometimes feels like I'm somewhat part of the family. I've been given food many times, I've been offered (premium) weed samples, and on a handful of occasions I've even been ordered to take a break from helping customers to practice the new crochet stitch the older Turkish lady taught me. We've had multiple cats too, which really adds to the family vibe.

But what does one actually do at a coffeeshop? Well, the answer is actually not as exciting as some may think. Aside from helping customers, my main responsibilities are quite similar to a supermarket job. A fair share of my time goes to inventory management, which includes tasks such as refilling the weed drawers, making sure the inventory is correctly updated in the system, and letting my boss know ahead of time that I'm running low on a certain product. This last part is especially important. At the time of writing this article, any coffeeshop in the Netherlands is only allowed to have a total of 500 grams of weed on the

premises at a single point in time. The police, in combination with city hall, regularly check whether a coffeeshop upholds this rule, and a violation is punished severely. Not too long ago, a coffeeshop in Eindhoven was closed down by the police for over a year because they found 380 kilos of softdrugs. While this is of course an insane amount, I can't blame coffeeshops for having more than 500 grams of weed in stock. In my experience, this number is actually vastly inadequate in comparison to the rate at which we sell said weed. Roughly estimated, during a single shift I sometimes sell as much as 3 to 6 times that amount! It requires near constant communication with my boss to ensure we have enough stock, which can get pretty hectic if the stock of a certain product is getting low while there is already a wave of customers waiting. Luckily, most of these customers are actually quite patient and understanding. Sometimes more so than your standard supermarket or retail store customer.

In certain areas of society, there is a lot of prejudice when it comes to weed and the people that smoke it. Even a large part of our own government seems to hold quite a negative view of this group of people. Not too long ago, the government sanctioned an experiment to examine the viability of growing and selling weed

completely legally. For those who are not well-versed in the world of weed, simply put, weed is not legal, it is merely accepted (or "gedoogd" in Dutch). Producing weed for retail is considered illegal (at the time of writing, any household is allowed a maximum of 5 weed plants, which after 4 to 8 months, if you're lucky and a very talented gardener, comes out to be 100-300 grams of weed per plant). But now, the government wants to experiment with actually legally grown and sold weed. However, the actual owners of participating and non-participating coffeeshops as well as users of the product were largely excluded from any discussions about how this experiment would be conducted. Despite multiple attempts and a number of very well-written and polite letters, they were still denied a voice. While there is much more to be said about this topic, I won't dive into further detail here, as this is merely meant to serve as an example of how the misconceptions and prejudice of the general public about the world of weed and its inhabitants can lead to discrimination, influencing rules and regulations (such as the totally unviable 500 gram rule), which in turn influences my work.

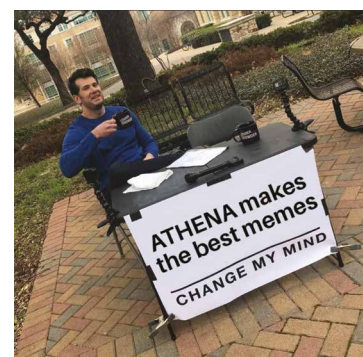
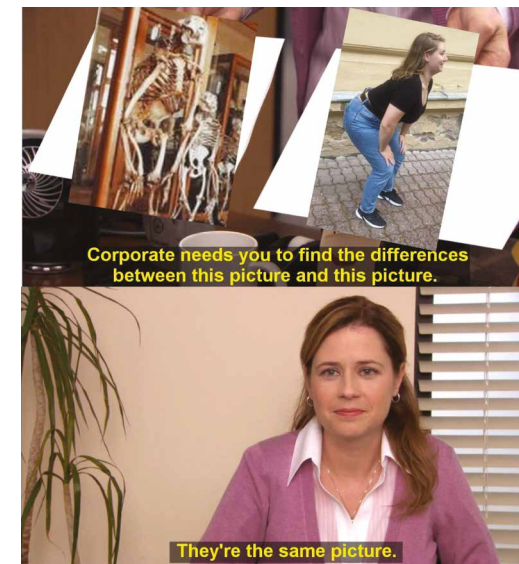
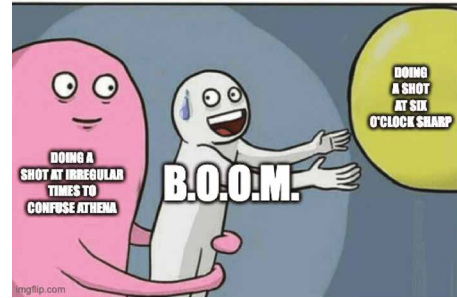
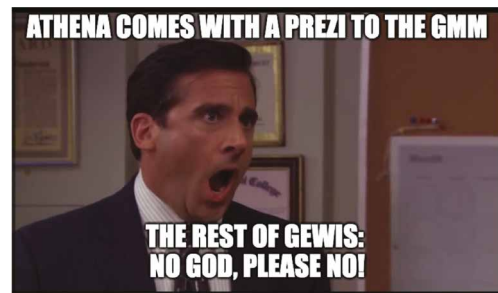
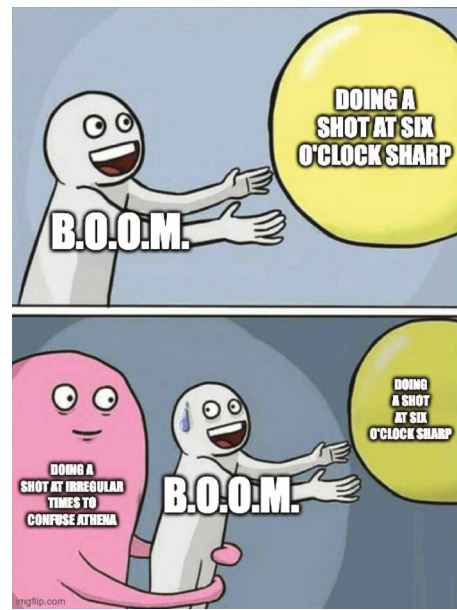
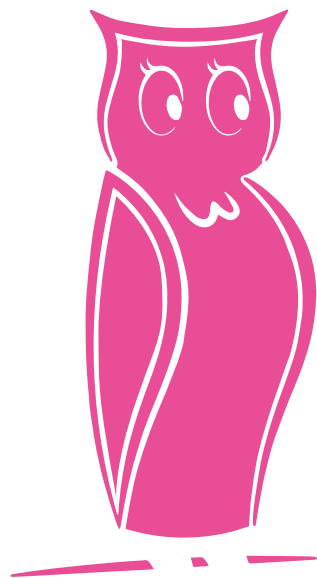
While I do get the occasional bad apple (shoutout to the customer who saw me count the money he had given me a second time and rudely asked "can you do basic math?!"), I mostly meet a lot of friendly and polite people at work. A lot of our customers are just ordinary people like you and me. People that just want to have a fun evening with some good friends. Students that need to relax after a particularly soul crushing exam period. Curious tourists. Fancy businessmen celebrating a profitable deal. Hard working immigrants that do their best to order in Dutch. People from neighboring countries that hit up a number of coffeeshops before heading back home with their bounty. And so much more. While a lot of customers share (small) details about their lives, the most memorable customers are the ones with a Story.

In some cases Story refers to a story they told me, but some customers also become the Story themselves. A veteran who shared a story of his deployment, how someone in his squad snapped, grabbed a grenade, and threw it into their midst. Red Light District workers who tip me generously, without fail. A regular looking man who came in at 10 in the morning, broke down crying within minutes, threatened to set me on fire, and vowed he'd burn my house down (he doesn't know where I live, I never saw him again). A talkative, "gezellig", and unsuspecting looking woman who I had made small talk with on a number of occasions, only to later find out she stabbed her previous husband multiple times. While I'd like to reiterate that the people with a Story are the minority, I think it is safe to say we get a very wide range of customers, as these are just some highlight stories.

The colleagues, the fast-paced work, the legal issues, and the customers combined ensure that this job rarely gets boring. Sure, it might not be mathematics or computer science related, but it has definitely been a job that taught me valuable skills such as basic math, working efficiently and independently, compassion and patience, and that has reminded me of my privilege. Needless to say, I think working here has been quite the experience.







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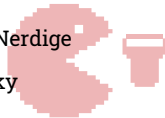
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Buitenplezier Op Onze Manier



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