Ausgabe 02/2023

VISIONEN

visionen.vis.ethz.ch   April 2023

Aftermath

Magazin des Vereins der Informatikstudierenden an der ETH Zürich (VIS)

Editorial

Dear Readers,

I always like the Visionen issues with the "Vorstands Portraits" best because you get a glimpse of the personalities of our board members. In this issue, you do not only get to know the board better, but also the Visionen Team and Prof. Kenny Paterson.

This is not necessarily the aftermath of après-ski but more in general. What is left of the old, when something new begins?

We present to you the aftermath of the exam session in the form of the exam statistics. Also while Ricardo is back with some stories (aftermath of his time in South America), Joniii left us before the MV, but at least sent us some pictures of what he is doing now (aftermath of being the Webmaster). Tobi collected tips to deal with the aftermath of a relationship. Pascal is still haunted by the aftermath of being the *Aktuar* and coping with the mailing list requests, and Clemens highlights the aftermath of the legal drugs a student is confronted with every day. Loïc found the aftermath of VIS-Actives losing their receipts, and Michael answered to some criticism the Visionen justifiably got from some students.

You won't find more from me in this issue, but for sure in the **next one[1] with the subject "Nachwuchs" for which the Article Deadline is the 02.05.2023.** Make sure to send us the pictures of your pets, when they were young, wild, and free, as well as your stories and articles[2].

Now, I hope you enjoy this issue.

Fiona Pichler

[1] This is a promise, by then my ants will be fully awake and reproducing.
[2] visionen@vis.ethz.ch

Inhalt

Präsikolumne

JULIA BOGDAN - ALMOST WROTE SOMETHING ABOUT HOPO OUT OF HABIT

"The project that I'm most excited about is the upcoming Bachelor Graduation!"

Dear readers,

I hope you all had a great start into the semester. For those of you who don't know me yet: I'm Julia and I'm in my 8th (and hopefully last) semester of my Bachelors. I joined the VIS board last semester as HoPo President and am the new President of VIS.

Although the semester started not long ago, VIS has already been very busy. First, we had VIS4U, an event where you can get to know all our different committees. Then followed our General Assembly. It may have lasted for a bit longer than most were hoping for (almost 6h), but at least there was pizza! Shortly after, hundreds of students visited the Kontaktparty to get to know different top employers and also collect lots of goodies. Meanwhile, all committees have been busy organising events, having meetings and even designing new merch!

The project that I'm most excited about is the upcoming Bachelor Graduation! So if you've graduated or plan to graduate sometime between June 2022 and June 2023, keep the 27th of June free! Otherwise, I'm also looking forward to VISKAS that will take place on the 12th of May. Don't worry if you haven't been able to join us for anything yet, there is much more to come this semester. And if you're interested in joining any of the committees, simply reach out to the committee president. It's never too late to join!

♠

Hopokolumne

ANDRI - ALREADY HAD TO GO TO AN FR DESPITE BEING TOLD HE LIKELY NEVER HAS TO

As my predecessor Julia was yearning for more power and responsibilities, she took the chance of Jason stepping down to run for president herself. As HoPo-president she did an amazing job, which means I have huge shoes to fill. But what is HoPo?

We are the University Politics Committee, and we take care of your issues with professors, studies, and the department. If you have any questions, comments, or concerns, do not hesitate to contact us at **hopo@vis.ethz.ch**. Be it something we should look into or you wanting to join HoPo and help us work towards solutions for common issues all of us face during our studies.

We have a bunch of ongoing projects, such as our Diversity-Taskforce, the Bachelor graduation and looking into improving ONA and Halle 622 during exams.

Due to the study phase, during which HoPo tends to slow down, there were not many new developments to report about. However, there is one thing that happened. We got a new Logo!

"We are the University Politics Committee, and we take care of your issues with professors, studies, and the department."

♠

Exam Statistics
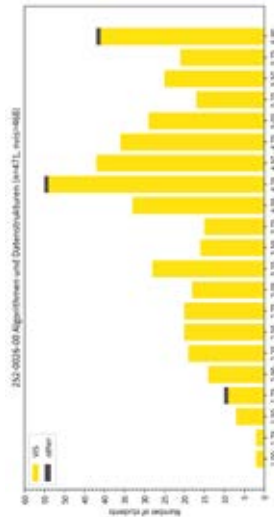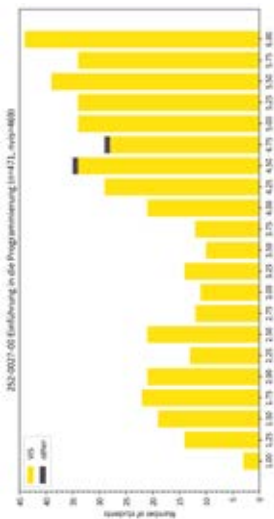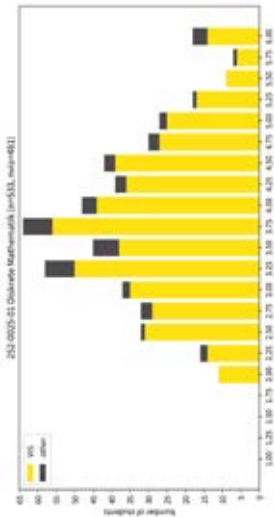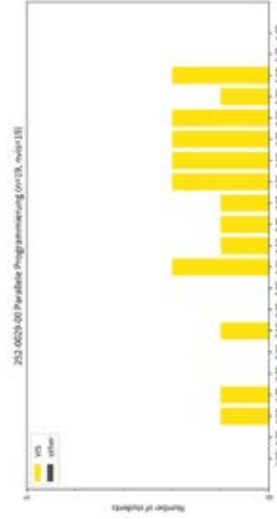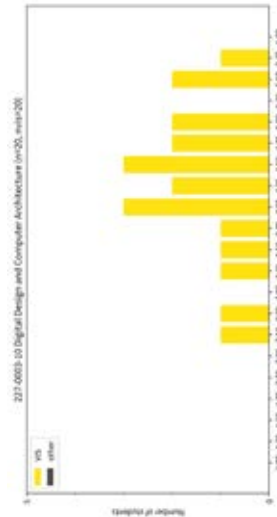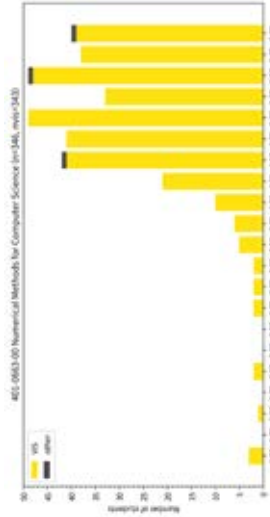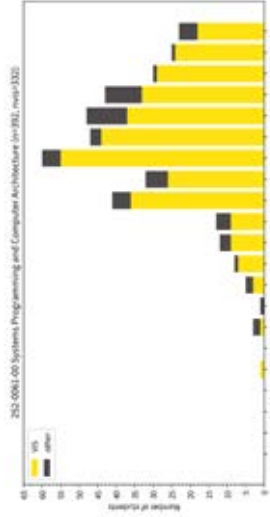
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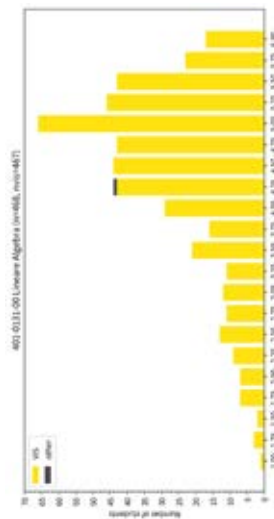
BP2

Grundlagen
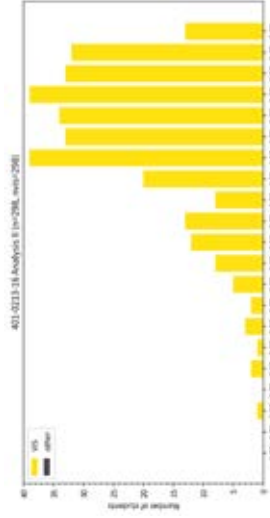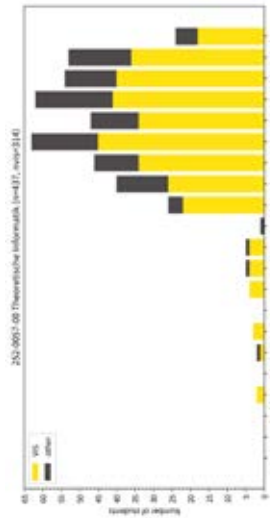
Bachelor KF
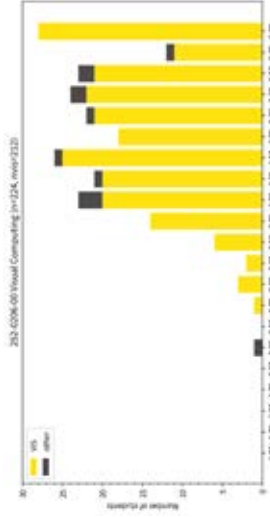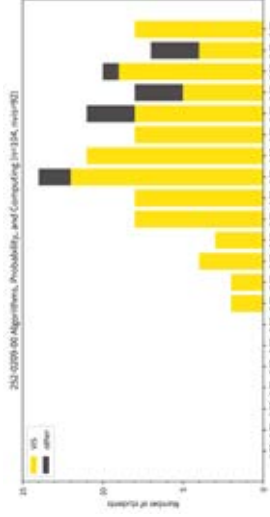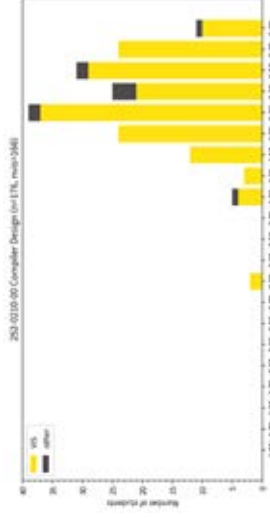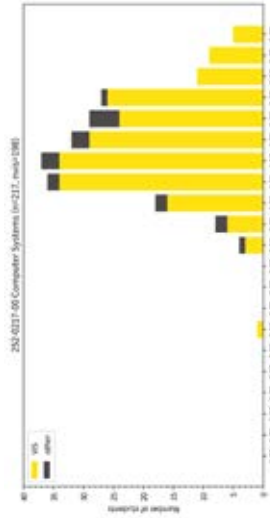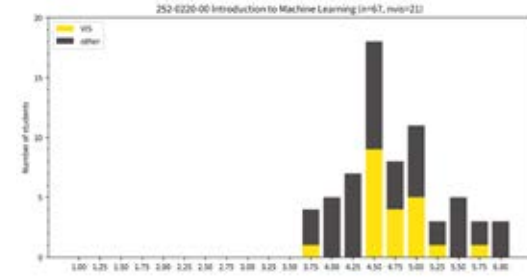
Master KF
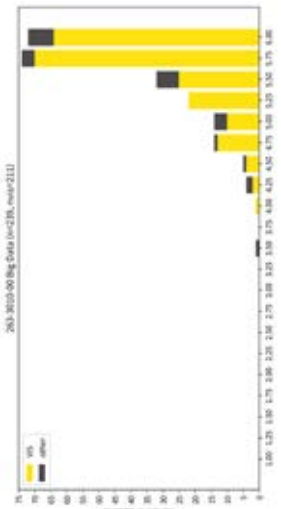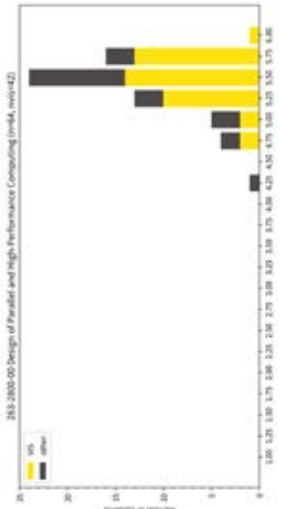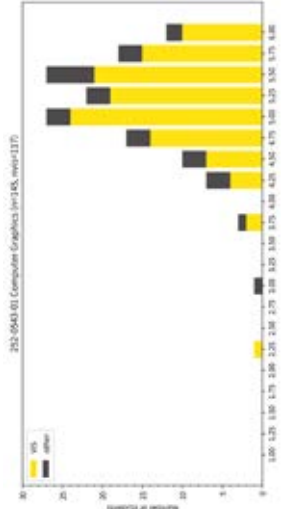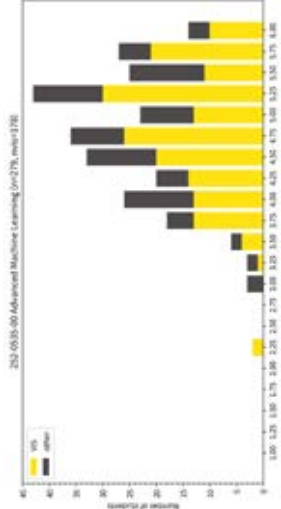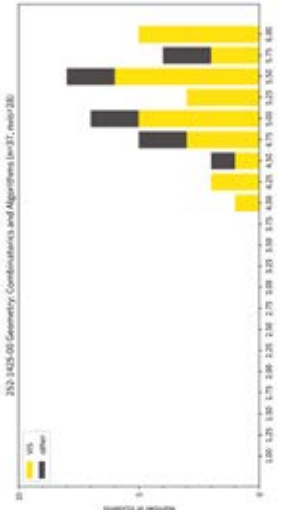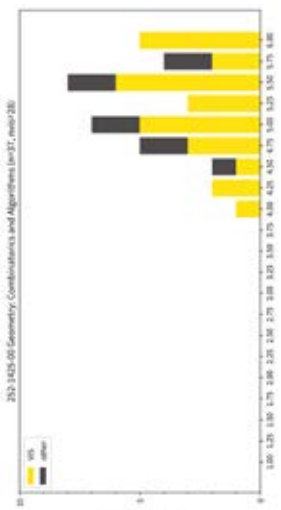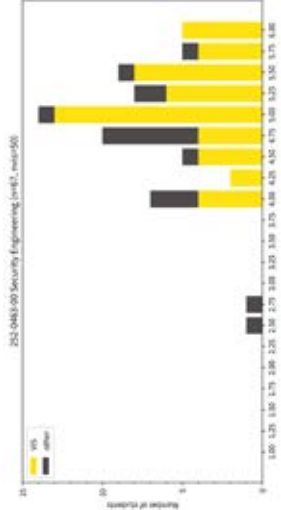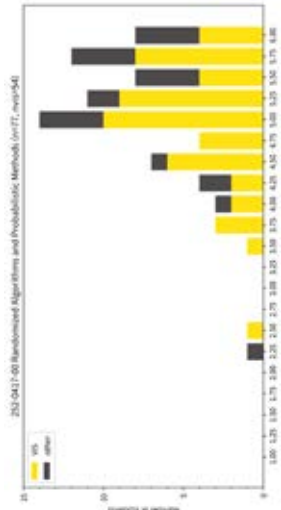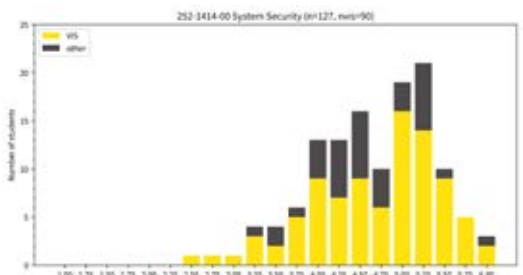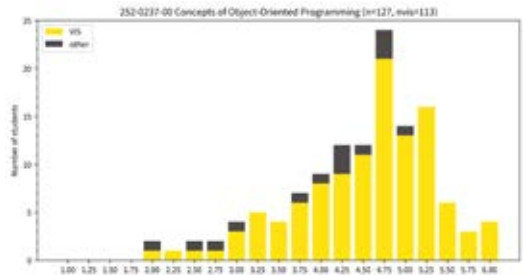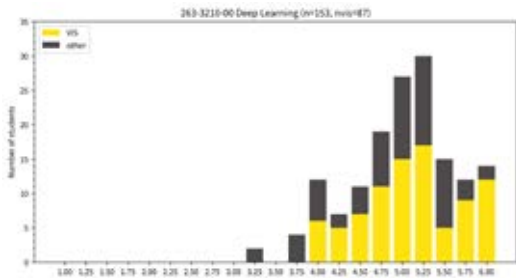
Master Interfocus
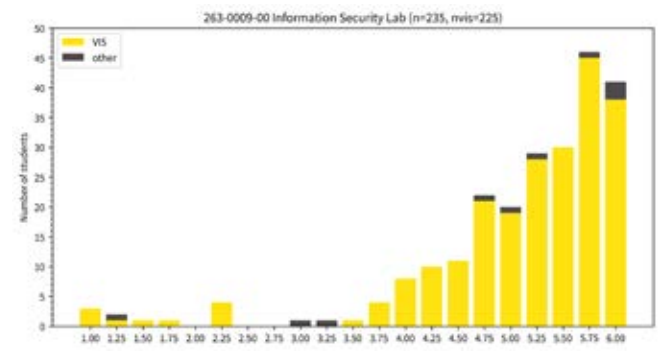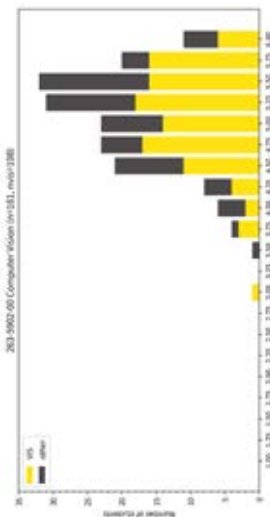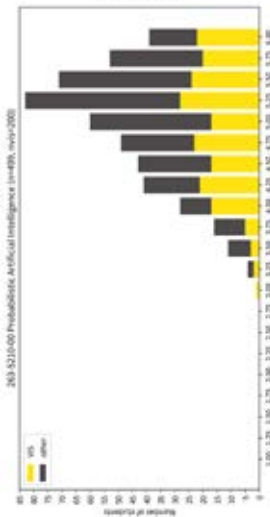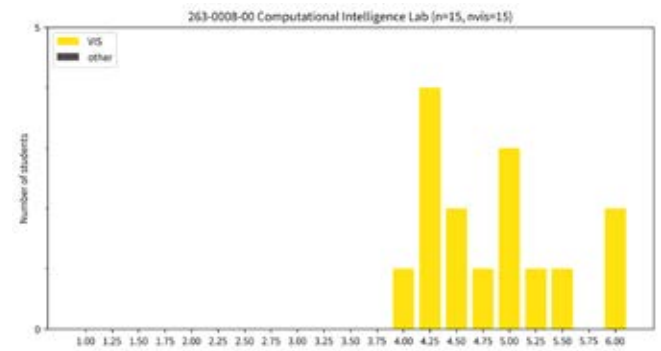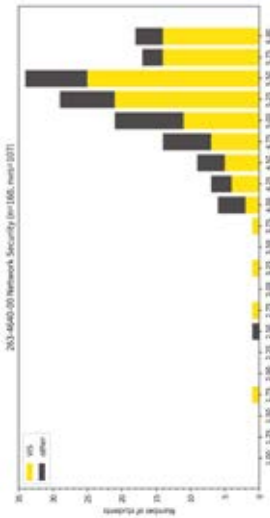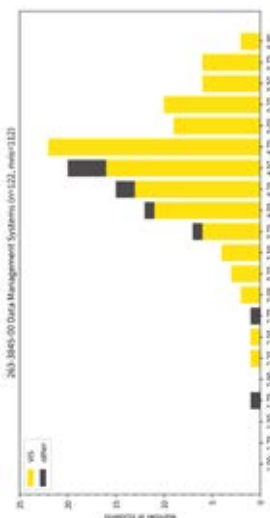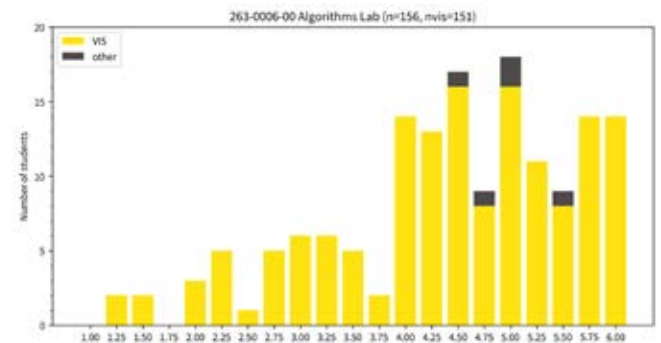
MV Zusammenfassung

NORA DIESCHBOURG - WAR AN DER MV ABWE-SEND, SONST ABER IRGENDWIE IMMER DA

Sehr geehrte Mitglieder und sonstige VIS Fans,

Dieses Semester ging es deutlich heisser her als letztes: die Versammlung dauerte 5,5 Stunden. Die Anwesenden hielten sich jedoch mit Bingo bei der Sache.

Zuerst ein paar Formalitäten: über die Sitzungsleitung, Protokollführende, Stimmzählende, Agenda und das Protokoll der letzten MV wurden abgestimmt. Dann trugen die anwesenden Vorstandsmitglieder (9 von 11) ihre Tätigkeitsberichte[1] vor, es wurde Zeug gemacht und Dinge erledigt. Dann wurde es sehr ernst, denn die Jahresrechnung 2022 stand an. Unsere Quästorin Emilia Pucher hat den ungeplanten Profit von 57'000 CHF erklären müssen, aber die Rechnung wurde nach dem Verlesen des Revisionsberichtes angenommen. Anschliessend wurde der Vorstand entlastet.

[1] Wurde dieses Semester mega schön gelayoutet, mit ganz vielen coolen Bildern. Auf der VIS Webseite unter den FS23 MV Unterlagen könnt ihr das Meisterwerk lesen.   - Der bescheidene Layouter

Es wurden folgende Anträge angenommen:
- Gründung der Jubiläumskommission (JubiKo), wegen 40 Jahre VIS in 2024
- Reglementsanpassung zum Erlauben des VC2 Kopräsidiums (Gratulation an Natalie Suter und Flavia Taras)
- VIS wird NaFe Mitglied

Dann kamen noch eine ganze Reihe Budget-änderungsanträge (auch alle angenommen):
- Anpassung des Ertrages des Eventinkubators zu 50% des Aufwandes
- Budget für Bachelor Graduation
- Budget für mehr HoPo Projekte
- Budget für VIS Teaching Awards (langwierige Diskussion, blame Pascal Strebel)
- Budget für JubiKo
- Streichung des Ertrags des Prüfungsdetrunks
- Budget für Mentoring
- Anpassung Budget VC2 für besseres Marketing und Merch
- Budget für Vorstands- und Kommissionspresidierendenhoodies
- Anpassung Budget CTF Isomni'hack wegen Mitgliedschaftswachstum
- Budget für NaFe Mitgliedschaft
- Anpassung des Ertrags der Visionen
- Budget für CCBB Alumni Event

Das Budget 2023 wurde dann als ganzes angenommen.

> **"Unsere Quästorin hat den ungeplanten Profit von 57'000 CHF erklären müssen."**

Dann wurde der neue/alte Vorstand gewählt (ausser die Quästorin, denn ihre Amtszeit beträgt ein ganzes Jahr):
- Präsidentin - Julia Bogdan
- Vizepräsidentin und Festministerin - Florence Kissling
- Quästorin - Emilia Pucher
- Aktuar - Nora Dieschbourg
- External Relations- Pascal Strebel
- Hochschulpolitik- Andri Hunkeler
- Infrastruktur - Kamelia Ivanova
- Lernunterstützung - Roman Hoffmann
- Softwareentwicklungsverantwortlicher - Mark Csurgay
- Systemadministrator - Dominic Wüst
- Webmaster - Svenja Scherrer

Darauf folgten die Wahlen der Delegierten (MR, FR, UK, DK...) und Kommissionsmitglieder.

Der Goldene Lauch ging dieses Mal an Pascal Strebel, weil er die HoPo Teaching Awards in Frage gestellt und damit eine ziemlich lange Diskussion ausgelöst hat, gleichzeitig dann aber seine eigenen Anträge vor der Abstimmung zurückzog, nur damit ein aktuelles LauchKo-Mitglied einen davon aufrechterhalten musste.

Grosses Dankeschön an Jonas Konrath und Jason Zibung für ihr Engagement im Vorstand. Vielen Dank auch an Manuel Hässig für die Sitzungsleitung.

Falls Du noch Fragen zum Protokoll hast findest Du weitere Infos in der Vollversion (Einfach den QR Code scannen) oder direkt bei uns im oVIS (CAB E31).

♠

The new VIS Board

VIS & Me — and my friend Steve...

What I do at VIS:
events, more events
sometimes pöbeln
Gugus

That's Me →

People call me:
Party person
You
Idiot
irresponsible

My Björn Drawing:

I am in the ☒ first (technically) / ☐ second / ☐ third / ☐ fourth / ☒ fifth / ☐ sixth / ☐ seventh semester of my ☐ Bachelor ☒ Master

My VISionen:
- more events ... events (studying)
- maybe graduate at some point idk
- not having people ask what my Visionen are

My ETH-Moment:
Realizing that I'm looking forward to the end of the semester on the first day of it.

Bill Clinton tells the serbs and albanians to get along.

I was born in (make a cross):
18.08.1989 Release of unrelated Belgium Techno Anthem "Pump Up The Jam" — 16.05.1999 First Screening of "Star Wars: Episode I - The Phantom Menace" ✗ — 06.07.2005 Birth Date of the currently youngest VIS Member — 17.09.2012 Päde starts his studies at ETH

VIS & Me

What I do at VIS:
I'm this semester's President!
I organise the board and represent VIS towards vseth and the department. Oh and I do as much HoPo as I can!

That's Me →

People call me:
Ilic but my name is Julia

My Björn Drawing:

I am in the ☐ first / ☐ second / ☐ third / ☒ fourth / ☐ fifth / ☐ sixth / ☐ seventh / ☒ eighth semester of my ☒ Bachelor ☐ Master

My VISionen:
- Bachelor Graduation 2023 (27.6.23 save the date)
- VIS HoPo Army finally takes over vseth.
- VIS can finally accept new Statutes

My ETH-Moment:
Attending lectures not to actually pay attention but so I stop procrastinating other stuff.

I was born in (make a cross):
18.08.1989 Release of unrelated Belgium Techno Anthem "Pump Up The Jam" ✗ — 16.05.1999 First Screening of "Star Wars: Episode I - The Phantom Menace" — 06.07.2005 Birth Date of the currently youngest VIS Member — 17.09.2012 Päde starts his studies at ETH

VIS & Me

What I do at VIS:
My job is quite creative. I add some numbers, subtract some others and somehow end up calculating the correct VAT.
Also, I hoard all of the VIS fortunes and pay the invoices. Mainly however, I spend all of my free time correcting

That's Me →

People call me:
Sugar Mommy,
(sometimes also Emi :))

My Björn Drawing:

I am in the ☒ first / ☐ second / ☐ third / ☒ fourth / ☐ fifth / ☐ sixth / ☐ seventh semester of my ☒ Bachelor ☐ Master

other people's mistakes ^^

My VISionen:
- revolutionize the VIS - accounting
- realize that's not possible
- switch to 2KB !!!!

My ETH-Moment: VIS
I start regarding studying time as free time, which sometimes makes me rethink some of my life decisions.

I was born in (make a cross):
18.08.1989 Release of unrelated Belgium Techno Anthem "Pump Up The Jam" — 16.05.1999 First Screening of "Star Wars: Episode I - The Phantom Menace" — 06.07.2005 Birth Date of the currently youngest VIS Member ✗ — 17.09.2012 Päde starts his studies at ETH

❀ V I S & Me ❀

What I do at VIS:
- write meeting minutes
- read/write emails
- distribute emails
- misc. support
- drink beer + eat snacks

I am in the ■ fourth semester of my ■ Bachelor □ Master
□ first □ second □ third □ fifth □ sixth □ seventh

That's Me →

My Björn Drawing:

People call me: **Nora**

My VISionen:
- make people read the minutes
- keep oVIS livable
- make everyone feel welcome in VIS (e.g inclusive language, safety concepts)

My ETH-Moment:
Wasn't happy about passing for a whole day since I was emotionally prepared to fail

I was born in (make a cross):
- 18.08.1989 — Release of unrelated Belgium Techno Anthem "Pump Up The Jam"
- 16.05.1999 — First Screening of "Star Wars: Episode I - The Phantom Menace"
- 06.07.2005 — Birth Date of the currently youngest VIS Member
- 17.09.2012 — Päde starts his studies at ETH
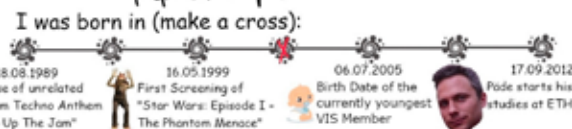
❀ V I S & Me ❀

What I do at VIS:
Sponsoring
Company Events
Drinking
Knowing Stuff

I am in the X final semester of my □ Bachelor X Master
□ first □ second □ third □ fifth □ sixth □ seventh

That's Me →

My Björn Drawing:

People call me: **Pascal**

My VISionen:
- Do as many cool company events as possible
- Get people to spend the money I bring in on great events (and prevent Julia/Andri from spending it on HoPo instead).
- Organize an awesome Jubiläum 2024

My ETH-Moment:
Feeling guilty for taking an entire weekend off.

I was born in (make a cross):
- 18.08.1989 — Release of unrelated Belgium Techno Anthem "Pump Up The Jam"
- 16.05.1999 — First Screening of "Star Wars: Episode I - The Phantom Menace"
- 06.07.2005 — Birth Date of the currently youngest VIS Member
- 17.09.2012 — Päde starts his studies at ETH

❀ V I S & Me ❀

What I do at VIS:
I am the president of the HoPo committee so I do a lot of HoPo stuff. Plus all the other board responsibilities

I am in the □ fourth semester of my X Bachelor □ Master
□ first □ second □ third □ fifth □ sixth □ seventh ■ eighth

That's Me →

My Björn Drawing:

People call me: **Andri**

Andri's number of task forces

My VISionen:
- Try to stick to the times set in the hopo meeting agenda
- Improve the ETH-experience™
- get Pascal to like HoPo

My ETH-Moment:
When all your friends from outside of ETH post holiday pictures 🏖

I was born in (make a cross):
- 18.08.1989 — Release of unrelated Belgium Techno Anthem "Pump Up The Jam"
- 16.05.1999 — First Screening of "Star Wars: Episode I - The Phantom Menace"
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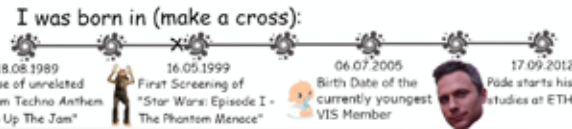
❀ V I S & Me ❀

What I do at VIS:
The job of the Infra is to manage the website VIS infrastructure. This mostly includes fixing and fixing stuff, as well as complaining.

I am in the □ fourth semester of my ✓ Bachelor □ Master
□ first □ second □ third □ fifth ✓ sixth □ seventh

That's Me →

My Björn Drawing:

People call me: **Kami** or "Where is the milk?!!"

My VISionen:
- People stop buying the same thing as before (so get more sensible ...)
- Make the oVIS a safe and cringe space

My ETH-Moment:
beginning of every semester: "Of course I can do 30 credits, more and have social life!"

I was born in (make a cross):
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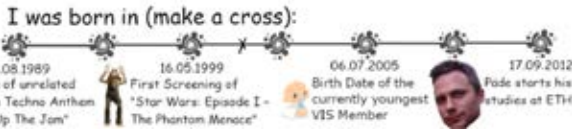
⇉⇉ VIS & Me ⇇⇇

What I do at VIS:
Together with my committee members, we organize exam preparation courses to help students pass their exams

That's Me ➤

My Björn Drawing:

People call me:
Roman

I am in the ☒first ☐ second ☐ third ☐ fourth semester of my ☒Bachelor ☐ fifth ☐ sixth ☒seventh ☐ Master

My VISionen:

- **Increase the exam pass rate**

- Join Vorstands Superkondi before Pascal leaves the board

- Play pool once the VMP has repaired the pool table

My ETH-Moment:

Realizing that NumCSE is the most _____ important lecture for the upcoming semesters.

I was born in (make a cross):

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⇉⇉ VIS & Me ⇇⇇

What I do at VIS:
As webmaster I keep our website & social medias up to date and make sure that everyone gets their permissions.

That's Me ➤

My Björn Drawing:

People call me:
Svenja

I am in the ☐ first ☐ second ☐ third ☐ fourth semester of my ☒Bachelor ☒ fifth ☐ sixth ☐ seventh ☐ Master

My VISionen:

- make Björn TikTok-famous

- upload the VISIONEN regularly

- expand my VIS merch collection

My ETH-Moment:

showing up to exercise sessions just to realise for the 100th time that reading the solutions would've been 10x more efficient

I was born in (make a cross):

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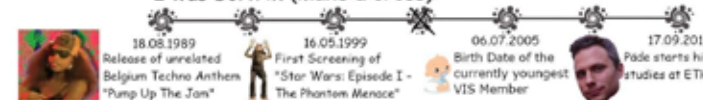
⇉⇉ VIS & Me ⇇⇇

What I do at VIS:
I'm the software development manager / CAT president / hackerman / programming dude / trouble boy / merge-request reviewer / turquoise beanie head / laptop sticker hoarder / Master of Kotlin and I add bugs to VIS applications

That's Me ➤

My Björn Drawing:

People call me:
Csark

I am in the ☐ first ☐ second ☐ third ☐ fourth semester of my ☒Bachelor ☐ fifth ☒ sixth ☐ seventh ☐ Master

My VISionen:

- Writing cool technical VISionen articles

- Turning Eventmanager into an easy to maintain codebase

- Upping my Kondi appearances

My ETH-Moment:

Watching a lecture of Sauro and dieing every time "Thm" was used. We only build 15 circles.

I was born in (make a cross):

18.08.1989 Release of unrelated Belgium Techno Anthem "Pump Up The Jam" | 16.05.1999 First Screening of "Star Wars: Episode I - The Phantom Menace" | 06.07.2005 Birth Date of the currently youngest VIS Member | 17.09.2012 Päde starts his studies at ETH

⇉⇉ VIS & Me ⇇⇇

What I do at VIS:
As the SysAdmin I guard the things that go "beep boop" and warm myself up in the 30°C server room on a cold day

That's Me ➤

My Björn Drawing:

People call me:
Dominic

I am in the ☐ first ☐ second ☐ third ☐ fourth semester of my ☒Bachelor ☐ fifth ☒ sixth ☐ seventh ☐ Master

My VISionen:

- Stop people from mislabeling the "VIS-site"

- Unleash chaos monkey on our production servers during lowphase

- have a far more technically advanced infrastructure than ETH ✓

My ETH-Moment:

Guilt-tripping myself into playing video games to relax on a weekend

I was born in (make a cross):

18.08.1989 Release of unrelated Belgium Techno Anthem "Pump Up The Jam" | 16.05.1999 First Screening of "Star Wars: Episode I - The Phantom Menace" | 06.07.2005 Birth Date of the currently youngest VIS Member | 17.09.2012 Päde starts his studies at ETH

Vor circa eineinhalb Jahren habe ich einen drastischen Entschluss gefasst. Ich habe mich entschieden, keinen Alkohol mehr zu konsumieren, ein kalter Entzug von einem Tag auf den anderen. Eine weitere psycho-aktive Substanz, welche ich (zumindest vorübergehend) aufgehört habe zu konsumieren, ist Koffein. In diesem Artikel nehme ich euch mit auf meinen Leidensweg.

After Fun Kalter Entzug

C🍋 - HAT SICH EXPLIZIT GEGEN SPASS ENTSCHIEDEN

Der moralische Zeigefinger:

Man könnte diesen Artikel jetzt als moralischen Zeigefinger interpretieren. Seid hier versichert, dass ich das aber nicht so meine. Ich bin der Meinung, dass man zwar ohne Alkohol Spass haben kann, aber auch umgekehrt ohne Spass Alkohol haben kann. Rausch ist etwas tolles und macht Spass. Auch wenn du rege Alkohol konsumiert und es an Suchtverhalten grenzt, ist das völlig deine Entscheidung und moralisch unbedenklich, sofern dein Verhalten maximal dir selbst und nicht deinem Umfeld schadet. Natürlich ist es so, dass wenn man Vegetarisch oder Vegan lebt, zu einem gewissen Teil eine moralische Überzeugung dahinter ist. Dies soll aber nicht Teil des Artikels sein. Ich möchte hier einen nüchternen Blick auf Verzicht und Entzug werfen. Da wo ich doch ein bisschen die Moralkeule schwingen muss, ist, wenn man den Konsum von Fleisch oder Alkohol mit Erwachsensein oder Männlichkeit in Verbindung setzt. Das, finde ich, ist kinda cringe.

Koffein:

Eine Koffeinabhängigkeit passiert schneller, als man denkt. Um ganz ehrlich zu sein, war ich eine lange Zeit durchgehend koffeinabhängig. Der Moment, wo mir das so richtig klar wurde, war letztes Jahr, als ich mit einer Liebe meines Lebens friedlich durch Dünkirchen geschlendert bin. Plötzlich bekamen wir beide Kopfschmerzen und dachten uns nur, dass wir einfach dehydriert seien. Doch die Kopfschmerzen wurden unaushaltbar und ich bekam leichten Schüttelfrost, sodass wir zu wenig Wasser ausschliessen konnten und uns bald der wahre Grund dämmerte. Wir hatten an diesem Tag unseren morgendlichen Fix Kaffee vergessen!

C🍋 **during his coffee every morning, source: YT - Annoying Orange - Super Caffeinated Coffee Episodes (ganz wildes video btw)**

Ohne Umwege sind wir dann direkt ins nächste Café und haben uns je zwei Kaffees geballert. Sofort verbesserte sich unser Gemüts- und Gesundheitszustand. Gleich der erste Schluck fühlte sich an wie eine kräftige, liebevolle Umarmung, so wie sie mein Vater mir nie gegeben hat. In diesem Moment merkte ich, dass ich mir meine Abhängigkeit nicht mehr schönreden konnte. "Einsicht ist der erste Schritt zur Besserung", sagt man ja so schön. Ich habe dann aber doch ein halbes Jahr gebraucht, bis ich den Entschluss gefasst habe, den kalten Entzug zu wagen. Hier kann ich aber sagen: Der Entzug war für mich gar nicht mal so schwer. Versteh mich nicht falsch: Die Entzugserscheinungen in den ersten paar Tagen sind brutal und deshalb ist der Anfang auch schwer durchzuziehen. Koffein kann man praktisch überall beziehen und die Tatsache, dass ich täglich fünf Kaffees vom VIS bekomme, ist nicht hilfreich. Als ich es aber über den Berg geschafft hatte, fand ich es plötzlich einfach.

Auch wenn man sich weigert, Koffein zu konsumieren, dann ist das zumindest gesellschaftlich gesehen weitgehend akzeptiert. Bei anderen Drogen sieht das etwas anders aus, was mich gleich zur nächsten Droge bringt.

Alkohol:

Eine weitere Droge, deren Konsum ich eingestellt habe, ist Alkohol. Bei Alkohol hatte ich schon mehrere "trockene" Phasen hinter mir, und heftige Entzugserscheinungen wie beim Koffein blieben zum Glück aus. Es gibt natürlich auch Personen, die es hier schwieriger haben. So habe ich zum Beispiel gehört, dass viele ehemalige Alkoholsüchtige lieber im Migros einkaufen, da sie so das Passieren an den Spirituosen bei der Kasse vermeiden können. Die grösste Schwierigkeit bei der Abstinenz ist jedoch meines Erachtens der soziale Druck. Wenn man in einer Runde sitzt und mit einer Cola oder einem Tee da sitzt, muss man sich schnell mal dumme Sprüche anhören. Menschen aus meinem Umfeld haben mir auch schon gesagt, dass sie lieber einen Abend zuhause bleiben, als sich fiesen Sprüchen stellen zu müssen. Ich war oft sneaky unterwegs und habe eine Cola mit einer Zitronenscheibe bestellt – könnte ja auch ein "Cuba Libre" sein.

Aber ich habe dann schnell aufgehört es zu leugnen und um den blöden Sprüchen zuvorzukommen habe ich dann einfach proaktiv gesagt, dass ich allgemein auf Spass verzichte. Das hat fabelhaft geklappt.

Fazit:

Doch was wollte ich eigentlich sagen? Wollte ich einfach mit meiner Drogenfreiheit flexen? Dafür bin ich leider nicht konsequent genug. Ich habe schon wieder des Öfteren zur Cola Flasche gegriffen. Dass ich keinen Alkohol mehr im Leben trinken werde, wage ich auch zu bezweifeln. Ich möchte aber anregen, vielleicht mal über den eigenen Konsum nachzudenken und ehrlich zu sich selbst zu sein. Denn dass ich wirklich abhängig war, habe ich erst realisiert, als ich versucht habe aufzuhören. ♠

C🍋 **now, source: YT - Annoying Orange, X-Bar - Clemensstraße - München**

Eigenbelege - werden im VSETH sowie im VIS wahrscheinlich primär für edle Zwecke wie Trinkgeld oder andere (weniger edle) Zwecke wie Alkohol benötigt.

After Quittung

LOÏC - FINDET SCANNEN UNGLAUBLICH SCHWIERIG

Es kommt vor, dass man seine Quittungen verliert. Um dann die Ausgabe zu belegen und von jemandem, der Geld in einer Firma, beziehungsweise in einem Verein herausgeben darf, den Betrag zurückzuerhalten, muss man dann einen Eigenbeleg schreiben. Auf diesen "Notbeleg" kann dann jedoch keine Vorsteuer geltend gemacht werden. [0]

Um den Sinn und Zweck eines Eigenbeleges zu verdeutlichen, können wir zwei vorbildliche Beispiele dafür betrachten.

Eigenbeleg

Beschluss

Ich habe einen Sodastream (für Büroeinrichtung Quästur) gekauft. (Ja ihr dürft ihn auch benutzen)(Ja ich habe auch Gas gekauft). Die nette Dame konnte mir leider keine Quittung ausstellen. Es hat jedoch 20.- CHF gekostet.
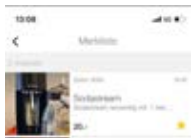
Hier seht ihr das Angebot auf Tutti, ich konnte es nicht im Detail screenshotten, da es schon weg war. (Bitte ignoriert das Puzzle, das hat nichts damit zu tun.

Auf Tutti gibt es keine Quittungen im klassischen Sinne. Sina, Quästorin des VSETH, beantragt daraufhin für 20 Franken einen Eigenbeleg. Genau für solche Situationen gibt es einen Eigenbeleg.

Flo hat im Rahmen ihrer Tätigkeit als "Partyperson" für den VIS ein Taxi benötigt. Auch wenn ich hoffe, dass Flo nur mit sicheren legalen Taxis [1a, 1b] fährt, muss man die vorbildliche Handhabung des Eigenbelegs anerkennen.
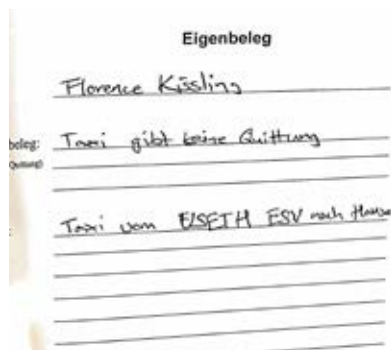
Der VIS verfügt traditionellerweise über eine unkomplizierte, pragmatische Art und Weise, mit Geld umzugehen: So gab Lukas sein Beweisstück im Dezember 2015 sogar auf einer Serviette ab. Dies wurde von der damaligen Quästorin, den damaligen Revisoren sowie der damaligen Mitgliederversammlung ohne Wenn und Aber genehmigt.

Während die Einen einen Eigenbeleg für edle Zwecke wie Trinkgeld benötigen, vergessen andere beim Bier kaufen den Beleg schlicht beim Self-Checkout auszudrucken. Begründet wird der Eigenbeleg hier mit dem morgendlichen Pendlerstress. Der Beweis erfolgt ehrlich mit einem Bild.
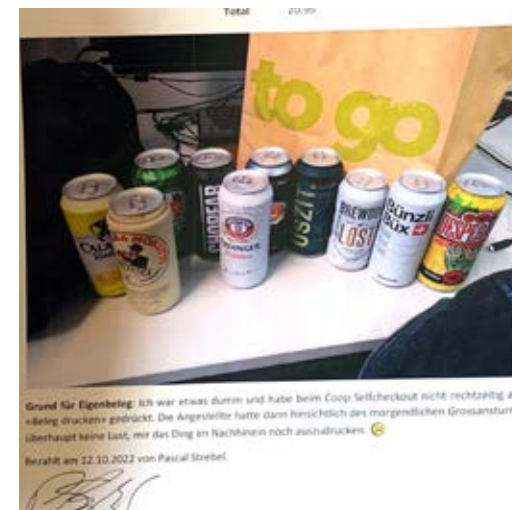
Unser Gotti, sowie Vizepräsidentin des VSETH, Léa weiss die Vorzüge über eine flexible Quästur im VIS auch zu schätzen: Sie teilt unserem Board letztes Semester auf einem Eigenbeleg mit, dass es weniger Alkohol trinken soll. Wo sie recht hat, hat sie recht – wobei es zu beachten gilt, dass auch sie den Beleg für Züri Wind benötigt hat

→

Während im VIS ein Eigenbeleg eine relativ angenehme Angelegenheit ist, gleicht das Prozedere beim VSETH einem Antrag für eine Baubewilligung in der Schweiz. (Die Stadt Zürich führt 15 verschiedene anwendbare, 2 noch nicht anwendbare relevante Erlasse auf, die es bei einer Baubewilligung (nicht dem Bau) zu berücksichtigen gilt. [2])

Der Artikel 34 des Finanzreglement des VSETH [3] besagt hierbei, dass der Vorstand über jede (!) verlorene Quittung abstimmen muss. Sobald der Betrag 100 Franken überschreitet, muss der Finanzausschuss abstimmen. Im Vergleich zum VIS ist die Genehmigung eines Eigenbelegs beim VSETH also ein endlos langer Walk of Shame. Léa geht damit pragmatisch um, sie passt einfach die Länge des Eigenbelegs an und macht einen Roman daraus…

Eigenbeleg

Ich habe die Quittungen verloren. KS 502 SK 679100 AN PE-23-7

Anlässlich des letztwöchigen Büroputzes (27.01.23) und Tristans Geburtstag (27.01.23) sind Jakob (Storp), Jens (Nielsen) und ich Essen (Pizza und Geburtstagskuchen für Tristan) und Trinken (Wind, Prosecco & ½ Guinness) einkaufen gegangen. Zuerst gingen wir aber in die Polymensa essen, von plantbased Chunks mit Pilzrahmsauce, Rösti und Erbsen mit Gemüsebrunoise gestärkt, haben wir uns langsam Richtung Polybahn begeben. Ohne warten zu müssen, stiegen wir ins mittlere Abteil, getragen von einer Diskussion über die französische Legion d'Honneur. Dieser Verdienstorden wurde 1802 von Napoleon Bonaparte, dem damaligen Ersten Konsul der Republik, gestiftet und zeichnet seither sowohl Soldaten als auch Zivilisten aus, die "hervorragende Dienste" für die Nation leisten.
Anyways, in der Coop Filiale Zürich Bahnhofsbrücke (Bahnhofbrücke 1, 8001 Zürich, Tel. +41 44 215 7030, Fax +41 44 215 7031) angekommen, sind wir zuallererst ein kaltes Guinness (500ml) holen gegangen, gefolgt von einem Herumgeirre durch die Gemüseabteilung das sowohl metaphorisch wie auch wortwörtlich Früchte trug: (eine) Zwiebel, Champignons, Paprika, Rispentomaten (Jakob hat zum Glück die billigste Variante gefunden) und Rucola. Weiter ging es zur Milchprodukteabteilung, wo nach langem Suchen der im Rezept geforderte Doppelrahm aufgetrieben werden konnte. Den Regalen folgend, kamen noch 3 Tüten Mozzarella (Bio weil Linus und Léa Mozzarella-Snobs sind), 2 ausgewallte Pizzateige (mit Weizen weil wir Jasper nicht mögen), Crème fraîche und Philadelphia (XL weil wir one big Family sind) dazu. In der Milchprodukteabteilung fanden wir auch Eier (sketchy, sind das wirklich Milchprodukte?), wovon wir 2 in eine 6-er Packung steckten. An den SSC denkend entschieden wir uns gegen Prosciutto, und liefen einmal quer durch den Laden, wo sowohl grüne Oliven (Prix Garantie, nieder mit der Ökodiktatur) und Tomatenpassata ihren Weg in den immer schwerer werdenden Korb fanden, bis uns unsere Füsse (und Herzen) zum Alkoholschrank führten. Ein kurze Diskussion über die Unterschiede von Prosecco verriet uns, dass wir absolut nicht qualifiziert sind, Proseccoflaschen zu unterscheiden. Die Entscheidung basierte schlussendlich auf unserer Wertschätzung unserer Mitvorstände und kulminierte deswegen in der billigsten Proseccoflasche, auf dem untersten Regal. Kurz darauf verschwand Nielsi und tauchte erst nach den Kassen mit 2 (oder mehr?) alkoholfreien Getränken wieder auf. Die Cooperative hinter uns lassend, getrauten wir uns in die unterirdischen Gänge des zürcher Hauptbahnhofes, an deren Ende wir (rein zufällig) auf die überteuerte Höhle namens Drinks of the World stiessen. Ganz im innovativen *Spirit* entschieden wir uns statt abgestandener Luft ein wenig (2 Flaschen) frischen Wind in den VSETH zu bringen. Aus reinem Neid liess sich Nills zu weiteren (alkoholfreien) Bierkäufen verleiten. Wider Erwarten konnte ich mich sogar 3-fach ausweisen, leider wollte der Verkäufer aber nur eine Karte sehen (Spielverderber). Mit Sandros Erlaubnis (obvs.) wurde der Kuchen noch am selben Abend in der StuZ-Küche gebacken und am nächsten Tag an putzende Vorstände und ½ FR-Präsidentinnen vergeben. Es war lecker.

"Im Anschluss habe ich leider die Quittungen verloren. Deswegen hier zwei Eigenbelege."   - Léa

PS: Emilia sucht eine Nachfolge für die Quästur. Wenn du Lust auf 9'200 Buchungen pro Semester hast, keine Nachfolger, viel Arbeit und mühsame Fragen an der MV, dann melde dich bei **quaestur@vis.ethz.ch**

PPS: Auch wenn der Beitrag hier etwas verurteilend wirken mag: Wo gehobelt wird, fallen Späne. **Alle hier genannten Personen machen unglaublich viel für das studentische Leben an der ETH auf einer ehrenamtlichen Basis.** Dies gilt es wertzuschätzen – und da sei das eine oder andere Genussmittel definitiv gegönnt!

Zurich is a beautiful place. These days, you can take a walk around the city or a hike in close distance and find beautiful spots to express your creativity with photography. This is a small collection of photos I took in March that you can use to get inspiration.

[0] https://divisia-treuhand.ch/grundsatz-der-freien-beweisfuehrung-in-der-buchhaltung/
[1a] https://www.luzernerzeitung.ch/zentralschweiz/luzern/taxifahrer-soll-fuer-vergewaltigung-und-entfuehrung-sieben-jahre-ins-gefaengnis-ld.1024898
[1b] https://www.nzz.ch/zuerich/zuerich-ein-uber-taxi-bestellt-und-im-bett-des-fahrers-aufgewacht-ld.1667382?reduced=true
[2] https://www.stadt-zuerich.ch/hbd/de/index/bewilligungen_und_beratung/baubewilligung/baubewilligungsprozess/baurecht.html
[3] https://rs.vseth.ethz.ch/72_Finanzreglement.html#art_34

Tobi's View(finder)

TOBI – ENJOYS RUNNING AROUND AND TAKING PICTURES

Going through a breakup can feel like the aftermath of a wild party – painful, messy, and filled with regret. When the relationship hangover kicks in, you feel miserable and desperate for the pain to subside. You might have the impression that the pain will never stop. But unlike the aftermath of intoxication, you can actually use this time to learn from your experience and take it as a chance to improve your life. I asked peers at CAB for their tips and tricks to survive these situations and collected them for you.

Relationship Aftermath

TOBIAS SCHEITHAUER – ASKED PEERS FOR ADVICE, SO YOU DON'T HAVE TO

Coping strategies

Discover a new passion. It's no secret that ruminating over your loss for too long only enforces your negative feelings. Hence, you should seek ways to divert your attention away from your breakup. One effective strategy is to explore new hobbies and interests. For instance, you could embark on a creative journey and try your hand at drawing, painting, or photography. Or, you could brighten up your mood by trying out new recipes and become a master chef for your flatmates. Hobbies that include physical activities like going to the gym or starting a running career can also work wonders by improving your overall well-being. The key is to find activities that excite you and make you feel good.

Don't overwork yourself. When trying to find an escape from your thoughts, you might fall into the trap of overworking yourself. Given the environment at ETH, it's easy to lose sight of your physical limits and working hours. To avoid a burnout and get a more objective view of your working hours, you could track the time you spend studying using one of the many apps available for your smartphone. Remember that taking breaks and giving yourself time to recharge is just as important as putting in the effort.

Talk to your friends. Even if it might be useful to seek for professional help[1], you can always start with talking to your friends about your feelings. It's understandable that discussing emotions may feel awkward or uncomfortable, especially if it's not something your friend group typically does. In that case, start with one friend in a calm moment you spend alone with them. If you have a friend who recently went through a breakup, offer to talk to them. A leisure walk in nature is the perfect environment for that.

Give yourself the permission to feel[2]. Some of us try to do everything they can to avoid feeling misery. While finding new hobbies and spending time with family and friends are a great way to do so, it's crucial to confront and acknowledge your feelings. For example, you might allocate half an hour per day, to process your emotions and reflect on your learnings from that time. Try to avoid doing so in times when you have low energy and feel drained after a long day of studying, as this can easily turn into a loop of rumination that is hard to escape from.

Don't stalk your ex. It might sound a bit harsh at first, but keeping all information about your ex-partner away from you is actually helpful. You most likely cared about them for the time of your relationship, and now there is an abrupt stop to spending time with them. If you decide to look at their Instagram story or BeReal, the instinct of caring will never end, and you will have a hard time letting go. By unfollowing or even blocking your ex-partner, you can help yourself overcome the urge to see how their daily-life is going.

Reflection and growth

Reflect on your mistakes and learn from them. Since you're a human, you probably have made a few mistakes during your relationship: you might have made bad choices, adopted unhealthy habits, etc. Now is the time to think about these and change for the better. A breakup is a drastic change in your life that you can utilize as a jump start to change[3].

To do so, you could start a journal in which you write whenever you think of something that you want to change. If you decide to allocate some fixed time to give yourself room for your feelings, you can also use this time to note down what you think you want or need to change in the future. With that, you have a structured approach to find learnings in your situation, and that doesn't sound too bad, does it? Similarly, you can use a notebook to reflect on your expectations for relationships to identify where you're willing to compromise and where you need to stand firm.

→
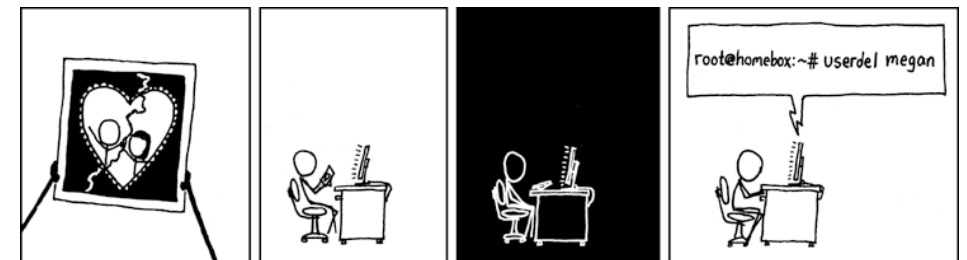
Find a balanced opinion towards your ex-partner. This might be a tough challenge, but with time passing it will get easier. Whether you found out about your partner's secret affair and left them in anger or they lost their feelings, making you feel desperate in hope that you can fire up the love again, try to avoid any extreme feelings towards them. Being full of hate will stop you from letting go just like thinking that they were the perfect partner like no one that you can meet in your future. So try not to demonize or idolize them.

As an exercise for that, you could use your notebook or just a piece of paper and write a letter to them expressing your feelings, telling them about your unmet expectations and disappointment. Write about what went well during your relationship and the situations in which you would have liked them to have acted differently. Important here is to never actually send that letter, but rather bury or burn it if you like. This will help you to see both sides of the coin and find your peace after all that happened.

Self-care and healing

Create a daily routine and stick to it. Having a clear structure for your days can be extremely beneficial when going through a breakup. Without, it is easy to get lost in thoughts and emotions, which makes it harder for you to move on. A daily schedule can help provide a sense of stability and control, which can be especially helpful if you feel uncertain about your future. Even if you're not going through a breakup, sticking to a routine can help reduce stress and improve your overall well-being.

So why not give it a try? Of course, there will be days when things don't go according to plan, but that's okay – just get back on track as soon as you can.

Take your time. It's important to remember that healing is a process that takes time, and everyone's journey will be different. It can be tempting to rush through the process, but that often results in avoiding emotions or unresolved issues that may resurface later on. Keep in mind that healing from breakups is not a linear process. Some days, you might feel like you're on top of the world, while other days, you might feel like you're taking one step forward and two steps back. This is normal. With time, those incidents will get less intense and more rare. So be patient with yourself.

Try to switch perspectives. Frequently, we are more compassionate and understanding towards others than we are towards ourselves. By offering the same advice and support to yourself that you would offer to a friend, you can cultivate self-compassion and learn to treat yourself with kindness and understanding. To actually do that, you could write a letter to a friend, imagining they are in a similar situation. Give them advice on what to do and what you think will help them. When you're done, read your letter the next day and find out what strategies you do not follow yourself yet. Remember, you're worthy of love and happiness, and the end of a relationship does not define your worth or value as a person.

I hope this article has provided you with some helpful tips for dealing with a breakup. In case you're currently going through a tough time, please keep in mind to be kind to yourself. There is no perfect way to navigate such situations, so try not to put too much pressure on yourself to have everything figured out. It's okay to take things one day at a time. Remember that you're not alone in this, and there are people who care about you and want to support you.

Take care of yourself, be patient, and know that things will get better. I wish you all the best!

♠

[1] Think of Nightline or Psychologische Beratungsstelle
[2] Yes, this is a reference to the title of a book by Marc Brackett
[3] cf. Katy Milkman's book How to Change

Wie du vielleicht weisst, unterhält der VIS einige teils mehr, teils weniger sinnvolle Mailinglisten. Wenn du kein Geld und keine Zeit hast, um dir Arbeit zu suchen, kommt vermutlich die Jobs-Mailingliste sehr gelegen. Ziel davon wäre, dass seriöse, informatik-relevante Jobangebote direkt zu dir auf den Bildschirm fliegen [1]. In meiner langjährigen Karriere als Aktuar habe ich aber einige Anfragen erhalten, die dieses Ziel weit verfehlen. Obwohl sie es deshalb nie durch die Mailingliste geschafft haben, bekommen sie einen ganz besonderen Platz im folgenden Best-Of:

Best of Jobs Mailinglist

PASCAL STREBEL - MUSSTE JAHRELANG ALS MENSCHLICHER SPAM-FILTER FUNGIEREN UND IST NUN ENDLICH BEREIT, DARÜBER ZU SPRECHEN

Grosse Ideen

Diesem selbsternannten Entrepreneur müssen wohl einige Äpfel auf den Kopf gefallen sein, damit er eine derart geniale Innovation hervorgebracht hat.

Von:
Gesendet: Mittwoch, 18. Mai 2022 09:37
An: jobs-owner@lists.vis.ethz.ch
Betreff: Mobile-App

Sehr geehrte Damen und Herren,

Diese App soll eine App ähnlich wie Tinder sein.
Mit verschiedenen Funktionen wie z.B:
- Matching
- Swipe nach links/rechts
- Standort
- Chat-Funktion

Ich bin auf der Suche nach jemandem, der das Ganze programmieren kann. Vielleicht kann der/die Student/in es auch für ein Projekt verwenden.

Vielen Dank
Mit freundlichen Grüssen

Locker lässt er übrigens auch nicht so einfach.

Am 25.05.2022 um 16:08 schrieb

Sehr geehrte Damen und Herren,
Wollte nachfragen wie es aussieht?
Ich danke für Ihr Feedback.
Mit freundlichen Grüssen

Somit sah ich mich fast gezwungen, tatsächlich zu antworten. Trotz kritischen Rückfragen blieb unser Entrepreneur, der offenbar auch begnadeter Mathematiker ist, standhaft.

Am 26.05.2022 um 07:46 schrieb

Guten Morgen Pascal,

Was meinst Du genau mit Bezahlmodel?
Der/Die Student/in wird Teil meines Unternehmens.

Ich würde 10% vorschlagen, d.h. wenn ich einen Umsatz von z.B. 50'000.- mache, bekommt der/die Student/in 5'000.-

Ich hoffe, dass es in Ordnung ist und hoffe, dass wir zu einer positiven Entscheidung kommen. Ich danke
Mit freundlichen Grüssen

Leider wurde das dann aber schliesslich doch nichts.

Erste Hürde: Der Betreff

Ein guter Mail-Betreff zahlt die halbe Miete.

Betreff: Re: {Spam?} Was wäre wenn....

Völlig unabhängig davon, was darauf folgt; mit einem solchen Betreff trickst du nicht einmal den laschesten Spam-Filter aus und dein Job-Angebot schafft es leider nicht annähernd bis zu den Top-Talents unter den Informatikstudierenden.

Kriegst du's als Firma nicht hin? Stell einen Studenten dafür an!

Suche MINT-Studierende als Umfrageteilnehmer/innen zum Thema "Gewinnung von MINT-Studierenden für offene Stellen"

Liebe Studierenden

Im Rahmen meiner Abschlussarbeit im Bachelorstudiengang der Angewandten Psychologie führe ich eine elektronische Umfrage durch. Ziel ist es herauszufinden, wodurch sich ein attraktiver Anstellungsbetrieb in den Augen technischer Hochschüler/innen auszeichnet, worauf sie bei der Beurteilung von Stellenanzeigen sowie Karrierewebseiten achten und über welche Kanäle diese Zielgruppe gut erreicht werden kann. Aus den Umfrageergebnissen sollen konkrete Massnahmen für die Auftraggeberschaft des Bachelorprojekts zur erfolgreichen Gewinnung von MINT-Studienabgänger/innen für offene Stellen abgeleitet werden.

Ob wohl auch ohne unsere Unterstützung was aus dieser Arbeit geworden ist?

Ein ganz spezielles Schneeflöckchen

Manchmal brauchen HR-Mitarbeiter spezielle Betreuung.

Am 07.04.2022 um 12:40 schrieb

Hey Pascal.
Na dann hoffe ich, dass das so passt. Fingers crossed!
Nochmals herzlichen Dank für Deine Hilfe und drück uns die Daumen, dass wir bald den richtigen Bewerber an Land ziehen.
Liebe Grüsse

Mir ist eigentlich ziemlich egal, wen du an Land ziehst, weder für deine Jobausschreibung noch im Ausgang...

Noch so ein erfolgsversprechendes Startup

Am 12.01.2022 um 11:07 schrieb

Hallo zusammen
Für ein Versicherungsstartup suchen wir noch Leute, die sich mit App-Entwicklung auskennen. Unser Ziel ist es, alle Abwicklungen in der App zu machen sowie mithilfe von AI den Kunden besser zu verstehen.

Wir sind sicher, dass viele Studenten und Leute in unserem Alter gerne zu diesem Projekt beitragen würden, um zusammen eine zeitgemässe Versicherung aufzubauen.

Dürfen wir dafür eure Mailinglist verwenden?
Vielen Dank und liebe Grüsse

So originell, dass es Angst macht

→

Muss einfach gut tönen

Dieser Ausschnitt einer «einmaligen Chance» stammt direkt aus dem HSG-Nähkästchen.

> **Die Value-Proposition:**
> Wir stellen ein überlegenes Anlageprodukt von einem erfolgreichen und etablierten Finanzinstitut zur Verfügung, welches dir erlaubt dich eindeutig von allen existierenden Anlagelösungen in diesem Bereich (Retail) abzugrenzen, welche sich nur durch permanentes Unterbieten auf Seiten der Kostenstruktur unterscheiden. Das Produkt eignet sich auf Grund von Komplexität und Struktur ideal für den Retail-Markt. Es ist ausschliesslich long-only (das heisst es werden niemals Anlageprodukte leerverkauft), nicht gehebelt und investiert ausschliesslich in ETFs und reagiert dynamisch auf das aktuelle Marktumfeld. Kurz gesagt, du hast mit uns einen Partner, der auf Anlageseite sein Handwerk versteht und dir ein überlegenes Produkt pfannenfertig liefern kann.

Ja, also ich hab noch immer überhaupt keinen Plan davon, was genau ihr macht.

Wenn sonst nichts hilft, fang an zu drohen

Der Urheber folgender Anfrage durchlief während unseres Mailverkehrs vermutlich alle fünf Phasen von Schock bis zur Akzeptanz. Mehrfach. In zufälliger Reihenfolge. Das Herzstück davon ist aber folgende Nachricht.
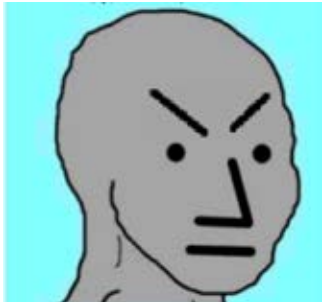
> On 13 Apr 2022, at 17:25, ▮▮▮▮▮:
>
> Hallo Pascal
>
> Nach meinem Wissen musst du meinen Namen in die Jobsliste eintragen, damit ich eine Nachhilfe in Informatik einen Student finden kann. Gemäss meiner Orientierung bist du verpflichtet mir hierbei behilflich zu sein, weil ich an der ETH Student bin und darüberhinaus den freiwilligen Beitrag für meine Mitgliedschaft bezahle und wenn ich, als Gegenleistung nichts bekomme, werde ich strikt dagegen vorgehen müssen.
>
> Deshalb bitte ich dich nochmals höflich mir dabei behilflich zu sein und erwarte gerne deine positive Antwort.
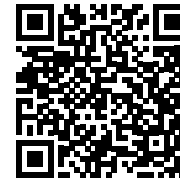>
> Liebe Grüsse ▮▮▮▮▮

[1] Für unsere Mailinglisten haben wir einige Richtlinien. Bei der Jobs-Mailingliste haben wir uns bewusst dafür entschieden, keine Anfragen für Nachhilfe oder von Startups ohne konkretem Bezahlkonzept durchzulassen. Ansonsten kommt aber alles durch, was irgendwie mit Informatik zu tun hat und den formalen Kriterien entspricht.

♠

"Wie wäre es gewesen, wenn ich in Argentinien studiert hätte?", hatte ich mich zu Beginn meiner Reise gefragt und wurde neugierig. So hab ich es mir als Ziel gesetzt, das herauszufinden.

Auf der Suche nach dem argentinischen VIS

RICARDO - WAR AUF EINER LANGEN REISE UND HAT ÜBER EIN PAAR ERLEBNISSE GESCHRIEBEN. ENJOY!

Es ist ein warmer Donnerstag im Oktober 2022. Mit meinem ganz okayem Spanisch navigiere ich mich zur Universidad Nacional de Cordoba, die zweitgrösste Universität in Argentinien. Ich erreiche den Campus, der mitten im Stadtzentrum liegt und merke erst jetzt, wie riesig er ist. Fünfzehn Minuten laufe ich über den Campus, an Grasflächen und alten Uni-Gebäuden vorbei, bis ich an dem Ort ankomme, wo man hier Informatik studiert. Vor mir steht ein klotziges Gebäude, das hier wohl das equivalent zu unserem CAB ist, nur dass dort zusätzlich auch die Mathematik, Physik & Astronomie Studierenden unterkommen.

Argentinisches CAB

Ich erkunde neugierig das Gebäude. Durch die Fenster kann ich in die Computerräume und kleinen Vorlesungssäle spickeln. In einem der Räume ist gerade Unterricht. Ich erkenne DiskMath Formeln an der Tafel und schaue für ein paar Minuten neugierig hinein. Dann werde ich von den Blicken der Studierenden im Saal entdeckt und ergreife peinlich berührt die Flucht. Das Gebäude zu erkunden ist ja recht interessant, aber speziell eine Sache interessiert mich am meisten. Ich will wissen, wie der Verein der Studierenden so ist. Ich suche nach dem argentinischen VIS. Ich frage ein paar Studis und lande im dritten Stock, wo meine Suche ein Ende findet. Das "Büro der Studierenden" ist ein 10m^2 Räumchen. Es gibt 3 Stühle, überall stehen Boxen rum und zwar gibt es einen kleinen Kaffeekocher, aber den hat jemand selber von zuhause mitgebracht. Das Büro wird dann auch noch geteilt von den Studierenden der Fächer Mathe, Informatik, Physik und Astronomie. Kein Aufenthaltsraum, kein Serverraum, keine Kaffeemaschine, nicht mal ein Schreibtisch. Das einzige, was mich an den VIS erinnert, sind die herumstehenden Boxen. Ich hatte mir sowas schon vorgestellt, aber irgendwie hatte ich trotzdem gehofft, dass sie auch die riesigen curved Monitore rumstehen haben.

Argentinisches oVIS

Ich merke auch, dass der Verein hier hauptsächlich für die Hochschulpolitik da ist und Aktivitäten und Events eher privat ablaufen. Ich stelle mir den VIS ohne Events, ohne Kommissionen und nur mit HoPo vor.

Das einzig Positive daran ist, dass die MV kürzer wäre. [Bemerkung: Hopo redet immer so viel an der MV, sie wären vermutlich nicht mal kürzer] Ich verlasse die Uni und denke mir, dass wir mit den Ressourcen, aber auch mit der Aktivität und Leidenschaft im VIS einen echt aussergewöhnlichen, wenn nicht einmaligen, Fachverein haben. Grüsse gehen raus an alle Actives, die das möglich machen!

♠

Ich im argentinischen oVIS (Dieses Bild hängt übrigens als Postkarte in unserem oVIS, danke Jason)

The last spring semester I spent in Scotland on exchange at the beautiful University of Edinburgh. There, I took a class about Operating Systems. We got to do several courseworks, which involved writing a part of an operating system. For this, they had their own custom teaching operating system InfOS (it's on GitHub) written in C++.

Lambdas in C++ without Standard Library

MICHAEL HEIDER - HEARD SOMEBODY ONCE COMPLAINED ABOUT A LACK OF TECHNICAL ARTICLES IN VISIONEN. BASED ON THE TITLE, THIS SHOULD FIX THAT.

Now, usually, when doing anything in C++, we would start by importing a bunch of stuff from the Standard Library. HOWEVER, this is a bare metal operating system. Hence, there is no standard library :'). As you can imagine, this makes things VERY "interesting". Want to use a string? Too bad, strings are part of the Standard Library. At least for strings, they gave us a small, much simpler, alternative string implementation (with a few bugs :/). However, that was about it. Math functions? Nope. Anything else? Also nope. This seems annoying, but surely, it wouldn't affect your coding _style_. Right? Right?

Well, that's what the instructors probably thought as well.

Now get ready for the technical stuff, because this is an interesting problem I ran into while doing coursework 2:

Two of my functions largely use the same complicated logic. In fact, only two lines in the middle of the body are different. Hence, it would be nice to reuse the complicated logic code. In modern C++ (starting from C++11), this is actually "easily" possible by defining a lambda, which can then be passed as a parameter. However, my lambda needs to capture `this`, which prohibits it from decaying to a simple function pointer. Under normal circumstances, this is no problem, but it requires the C++ Standard Library functional component (`#include <functional>`). However, InfOS does not have access to the C++ Standard Library. So instead, as a workaround, the complicated logic is duplicated (copy/paste) across my two functions.

If I had access to the C++ Standard Library, I could define a function with complicated logic that takes the center two lines of logic as a function argument. Then, we define and pass a lambda to the complicated function. The important parts would look like the code on the left.

```
void complicatedLogic(const std::function<void(PageDescriptor *, uint64_t)>
&centerLogicLambda, ...other arguments... ) {
    ...
    // also executes centerLogicLambda
    ...
}

void methodUsingComplicatedLogic1(...) {
    ...
    auto lambda = [this](PageDescriptor *p, uint64_t n) {
        // code using `this` and arguments
    };
    complicatedLogic(lambda, ...parameters... );
    ...
}
```

I think we should get away with just copying/pasting a bunch of code files from the Standard Library, without having to worry about sys calls and the like, which we of course also would have to adapt to our custom operating system. However, this could be wrong. Also, it's not just a file or two, the Standard Library file for `functional` has quite a few dependencies.

Some other alternatives that were suggested by the course instructors, but won't generally work:

If-Statement
Suggestion: Rather than just refactoring the complex code into a separate method, you could also refactor those two middle lines into two separate methods, and call the correct one using an if statement. This would be semantically similar to what the lambda function would be doing, even if less clean.

However: In a general scenario, it won't work, as this fix depends on the fact that `this` is global (object-wide) state. If I'd want to capture any other variables, they would have to be global (or at least (potentially static) class attributes) as well for the same idea to work. This then would be a mess.

Furthermore, since captured variables don't even affect the type of the lambda, one could even imagine a scenario, where not all passed lambdas take the same number/types of arguments.

Function Pointer
Suggestion: Use a function pointer. However: A function pointer can do almost the same thing. But lambdas that capture external variables (`this` in this case), cannot decay to a function pointer, as they need the captured variables. That's why a standard function pointer won't work in this specific case. If my lambda wouldn't capture anything, a function pointer would be the way to go.

You can pass parameters to a function pointer when you call the function the pointer is pointing to. However, the idea of captured state is (among others) that you don't have access to this state at the point where you call the lambda.

Possibly you could solve this by having two pointers, the pure function pointer as well as a pointer to all of the state you want to have captured. Then always pass around both pointers and pass the state pointer to the function pointer when calling as the first argument. However, this seems error-prone and less clean.

Now that I think about it, this could well be how the C++ Standard Library implements this functionality under the hood, in which case we would be back to reimplementing the Standard Library. (I'm not sure whether this is correct, but one of the course's instructors agreed with my speculation here.)

Conclusion
C++ without Standard Library is an interesting experience, but also fairly painful. Edinburgh on the other hand, is a beautiful city.

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Join me in a conversation with Prof. Kenny Paterson on the merits of a good lecture and the teamwork to make it all work, the political nature of scientific work, the challenges facing the computer science department in the future, and embedded programming on a BBC micro.

VIS à VIS
Prof.
Kenny Paterson

MANUEL HÄSSIG - ON A QUEST FOR GOOD QUESTIONS

VISIONEN: Prof. Paterson, you have won the Golden Owl for best teaching at the computer science department in 2022. Congratulations!

Prof. Paterson: Thanks a lot. I was very proud of that. I must say, huge thanks for this.

In your opinion, what constitutes a good lecture and what do you do personally to achieve that goal?

That is a great opening question, but it probably deserves a very long answer. I think students have many distractions, and many of those distractions are right in front of them, like a mobile phone. People can start texting in lectures and sometimes I even do it myself, because something pings on your screen and then you react to it.

There are numerous distractions like students thinking about their next class or the assignment that they have to hand in for some other course, or the job that they have to go and do outside of ETH time because they need money to support themselves, or what they are having for dinner that evening. So you somehow have to make your lectures interesting and compelling, and the content needs to be well organized and clear.

As a teacher, you have to have put a lot of time into thinking about how you want to explain a particular topic, some complicated aspect of cryptography, say. You as a lecturer learned it 10 or 20 years ago, and you have thought about it so much that it has become second nature. But you have to remember, for many of the students, it is the first or maybe the second time they have heard of this. So for them, it is completely new and unnatural. Thus, you have to try to put yourself back in the shoes of the young student who is encountering this material for the first time. You need to think about how you can explain the concepts in a way that makes them as simple as possible, but does not lose any fidelity with regard to reality. And you can achieve that by starting with simple definitions and then building up complexity.

All the while signaling to the students that this is just the first level and that we want to start here because it is easy to understand. Later, we will build on that and we will get to something much more complex in the end. For me, it is really not about trying to show the students how smart I am. It is about trying to help the students understand complex material step by step. Helping students escape from distractions is about being a good speaker, being organized and presenting material that is interesting and keeping the students engaged in various ways. Then the other part is about really having thought about how you are going to teach your course, which takes a bit of experience. But then the challenge is, the more experience you have, the more you forget how hard it is to understand these concepts. You need to try to maintain that kind of empathy with the student experience. Thus, I prepare for every single lecture that I give. This means that I sit with the material, look through it again myself and think about what the difficult points are, where the emphases lie, what I need to tell the students, maybe not to worry about.

My problem is that I always run into time trouble. I am always up against the clock. And that is because I also like to do this thing where I tell a little story or an anecdote that somehow relates to the material in class. That comes from having been in the field, particularly when I am teaching cryptography, for a long time. I know some of the historical characters. For instance, I know Whit Diffie and I can tell stories about meeting Whit Diffie for the first time. That makes the lecture more interesting, I think. But it also eats time when you really should be explaining some security bound.

However, I think it is important to get a little bit of that into the lectures because it also makes them more captivating and more relatable. It is not just about proving a theorem, it is also about who proved this theorem, what kind of personality they were, what they were thinking at the time when they were proving this theorem, what they missed, and what they should have proved. It is also about providing the context for the material.

Another aspect, I think, particularly for Applied Cryptography, which I really love teaching, is that I have this amazing team of PhD students and also now master's students who work as teaching assistants. We really try to integrate the lectures, the exercises, and the labs so that these things are all properly aligned week by week. That the exercise reinforces things you learned in the lecture and then the labs are actually trying out things I was talking about in the lecture, maybe trying to break things or implement attacks that we talked about. So the whole thing is an integrated course instead of these things being disjointed. That means that we have a weekly meeting where we discuss what we are doing this week and next week, how the planning is going for the next few labs and trying to make sure that everything is properly joined together. We are trying to build a very polished, integrated product when we are delivering this particular course and I think the students appreciate that.

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So it is not just about the lecture. There is an entire team behind it. I didn't really get that much feedback about why the Golden Owl was awarded, but what I told my team is that they should think of this as a team award. This is not just for me. Of course, I am the guy who stands at the front of the class, is entertaining and tries to give good lectures. But I wanted them to understand that from my perspective, the reason the students like the lectures is that they also like the exercise classes and they like the labs. It really is a shared endeavor. We are all working together to create this good experience for the students.

What I am really trying to do with Applied Cryptography is two things. One, advertise what we do in my group so that we get great master's students who want to come and do projects with us. Eventually, some of them become PhD students. Secondly, I am trying to give students principles about cryptography that are going to be useful when they go and work as software engineers. I am also trying to teach some fundamentals, but I'm mostly trying to teach things that are useful, that are practical, like "here are all the mistakes you can make". I think it's very easy when you're teaching a subject like cryptography to only focus on the theoretical aspects. And that foundational knowledge is very important. You need it. But I think it's also good to connect it with practice if you can. After all, we are the applied cryptography group.

How did you end up working on the applied side of cryptography even though you got your degrees in mathematics?

Yes, but before that, I already was passionate about computers. I grew up during the home computer revolution in the 80s and so I had a computer at home from the age of 11 or 12. I learned to program at that age self-taught with the BBC basic manual. We had a BBC microcomputer which was the solid educational choice for middle class parents, whereas the ZX Spectrum was seen as much more of a games machine. The BBC micro was a thing that we also had in school, although I did not use it very much there as it was not very available. So I learned to program at this very early age and I got quite good at it. Eventually, I started programming in 6502 machine code. There was an assembler and I wrote many fun programs. Some create fireworks on the screen, others have exploding fountains of pixels, and another has some sprite software. These required a lot of low level programming to make them go fast. I figured out that what you needed was these general purpose routines for moving objects around on the screen as smoothly as possible. You try to sync the writing to the screen because the screen contents are actually stored in memory. With the screen refreshing at 50 Hz, you need to make sure that you catch the interrupts properly from the video control unit.

I did not come up with all of that, but I took it from some very good books and implemented it by putting it all together. But what I didn't get to was the point where I could write games, which was the ultimate goal. I had my limitations, but I did get very deeply embedded in computer programming and computational thinking at this very early age. I had this book on advanced graphics for the BBC Micro where you did 3D rendering and hidden line removal, which was actually using vector geometry in three dimensions, which I hadn't learned in school at that point.. So I was learning all the advanced trigonometry in order to understand these algorithms. When I came to school, I realized that I know that stuff.. So, I did somehow start off really getting into computing.

But then I went to university to study physics. But I gave physics up after two years because they made me do all these experiments and I hated going to the lab to measure vibrating beams and the like. It was just crazy stuff. Then I settled on mathematics because I really liked it at that time and I still really like the purity, the kind of cleanness and the exactness of it. But eventually I sort of drifted my way back via things like cryptography and coding theory into computer science. Now, I am a professor of computer science, but I actually do not have a degree in computer science. I think there is a useful lesson there, which is that you can start off deciding you want to be one thing, but you can end up somewhere completely different. And it is good to remain open-minded and flexible about what your career is.

Taking your classes and other classes in the field of security one can notice that they have a slightly more political tone than classes in other fields. Is cybersecurity inherently political?

Taking your classes and other classes in the field of security one can notice that they have a slightly more political tone than classes in other fields. Is cybersecurity inherently political?

Yes, it is. But that does not mean that as a professor giving classes, you need to take a position. You can always present both sides where you present both sides of the argument. I try to do that when I talk about how governments have needs with respect to cryptography, for example. In any area of security, it is not long before you run into the politics of it. Absolutely. So I think it is inherently political because, as Phil Rogaway wrote[1], cryptography rearranges power as it configures who is able to do what which makes it an inherently political tool and confers an intrinsically moral dimension to the field. If you approach it purely as a theoretical topic, when you are just trying to build a better public key encryption scheme, then you can stay away from the politics.

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But when I start thinking about "Why do we want to build a better TLS protocol?" then you run into politics. For example, very late in the standardization of TLS 1.3, a consortium of people from the financial industry came to the IETF and asked to put RSA back in again as a key exchange mechanism. This would allow them to more easily eavesdrop on communications between clients and servers because all they would need to decrypt everything is the server private key. Whereas if you are doing Diffie-Hellman, you have to do an active attack against the protocol, an active man in the middle attack, as opposed to being able to passively record TLS protected conversations and decrypt them later when you need to. And they had legitimate concerns to do with their need to maintain compliance with regulation in the banking sector. On the other hand, we were trying to build a more secure Internet[2]. And we had learned from the Snowden revelations that large organizations were subject to subpoenas by security agencies demanding access to their private keys or demanding access to the data. So if you have a foot in the real world, as I do, with respect to cryptography, you immediately start running into these issues. It is unavoidable.

Then because of my personality, it is hard for me not to bring some of that into the classroom. I try not to let my political views show through too much, but I guess they do.

I find that this is not necessarily a bad thing. In the end, lecturers are also humans with opinions and I prefer to know where they stand and have a conversation from there.

That's true. I think, though, if it went too far, we would be doing the wrong thing because I am standing there in a position of authority. And I think it might be very difficult for students to challenge that view directly. In that case, it is not a balanced environment where everybody's views have equal weight or even everybody gets to express their views because I am the one with the microphone. So I think if you do want to bring politics very strongly into the classroom, you should do it in a different format. Perhaps more akin to a seminar format or a discussion format where I should get out of the way. Because I have to recognize that, just because I have this professor title, that somehow automatically confers more authority and makes it more difficult for students to stand up for their position. So it's something I quite often stop myself in the middle of a lecture before I go too far.

Do you think ETH offers a selection of courses to equip students for such political and ethical discussions related to their field?

I think things are moving there. At the PhD level, all PhD students are now required to take a course that concerns ethical considerations, good scientific practice, which we will launch soon in our department. At the bachelor's and master's level you have to take a certain amount of Science in Perspective courses.

They have a very nice broad course offering covering all kinds of different aspects. So I think there is a good offering from ETH and even more will come

A very important part of our education overall is that we are not just trying to create single-minded computer scientists. We are trying to create well-rounded human beings who have a broad understanding of how computer science is going to affect society, for example. I think there is a lot that has happened and a lot more is going to happen in the next 10 years or so, particularly because of AI and all. Further, I think many of us professors feel that we have a responsibility towards society to not just do our research, but also to understand how this impacts society.

Since the start of this year, you are also the head of the department of computer science. What are the biggest challenges the department is facing during your tenure as its head?

Currently, we are physically fragmented as a department across many different buildings and I think that is bad for the culture. So we are trying to counteract that physical fragmentation. This is not just on the professor level. For example, if you are a master's student doing a master's, and the group that you are doing it with is in some other building it is already a struggle to get access to that building. But suppose you are a bachelor student and you want to go to your courses' office hours. So you go down to STF, but you can not even get into the building. This fragmentation creates many issues, not just the obvious ones about people not bumping into each other in the corridors.

When I used to work in industry at HP the founders, Mr. Hewlett and Mr. Packard had developed this management technique called management by wandering around (MBWA). What it means is you take some time a couple of times a week, just to walk around the corridors to see who you bump into and talk to them and find out what is going on in their world. Sometimes it is not very successful because you walk around and you do not meet anybody. But you can also then knock on some doors to say hi and ask how things are going. I like to do that and I am doing that consciously. But it means that since the department is split across multiple buildings, unless you make the effort to go there, you will not bump into those people and you only hear a fragment of what is going on.

Another thing is that we have seen huge growth in our student numbers at bachelor's level and also at master's level. This year we have nearly one 1'400 applicants from outside ETH who want to come and do a master's with us which is on top of all the continuing students who come from our bachelor's program to our master's program. We also saw a significant jump in the number of bachelor's students entering the first year this year. At the same time, the number of professors we have and the number of potential teaching assistants that we have, doctoral students, postdocs, senior scientists and so on, is not keeping up with that. In order to maintain the quality of the education that we provide, we have to find new ways of providing that education. We have to get smarter in the way that we do things and we have to streamline.

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Maybe we have to think about using new technology more. But for me, it is still very important that our students, bachelor's and master's, have one-on-one contact with a TA. When you go to an exercise class, there should be a time during which you can ask your question to the TA and get it answered. And there should be office hours when you can go and talk to a TA. But that gets harder and harder as the number of students just continues to increase. So my challenge is to address this resource issue. But it is not something we can address overnight and it requires the support of the Schulleitung, which I believe we do have. I believe the Schulleitung and the rectorate understand the problems we face and they are trying to help us. But it takes time because it takes time to hire new professors and for those professors to hire new doctoral students and for the groups to grow in size.

The third challenge, which relates to the second challenge, is that the ETH budget overall is pretty static. This is above my pay grade in a sense. But it does mean that we have to look more for third party funding from donors and so on to support what we do. And so I have been talking a lot with the ETH Foundation about how we can attract more donors to support the work that we do in the department. We had a large donation last year from the Dieter Schwarz foundation in Germany. The financial situation for ETH is very challenging and will get more challenging in the years ahead which makes growth more difficult. Therefore, addressing the student number problem is a challenge because of that as well.

The final challenge I want to mention is that I am still an active researcher and I still have PhD students in a research group. So finding a balancing act between all of these different competing priorities is quite difficult for me personally. But now I am in the position where my group contains some quite experienced PhD students and postdocs who can help each other. Through this I think they have become more autonomous. Maybe it is good for them that I am not looking over their shoulder the whole time and gives them a bit more freedom so they can take that responsibility and run with it. So I think it's going to be okay.

Any last words you want to give our readers on their way?

I want to say to all the students, you have chosen an absolutely fantastic field to enter. It is a great time to become a computer scientist. So make sure you take every opportunity that you can to learn more about computer science and to extend your skills. Think of your time at ETH as the beginning of your education, because in computer science, it will continue to change very, very quickly. So you have got to keep up to date even after you finish ETH. Hopefully we give you a bunch of foundational principles that you can rely on. But the technologies on top of that are changing all the time. So stay up to date.

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[1] https://web.cs.ucdavis.edu/~rogaway/papers/moral-fn.pdf

[2] https://mailarchive.ietf.org/arch/msg/tls/CzjJB1g0uFypY8UDdr6P9SCQBqA/

> He is somewhere east, sippin' a Mai Tai or two or three, enjoying life away from ETH and Webmaster duties.
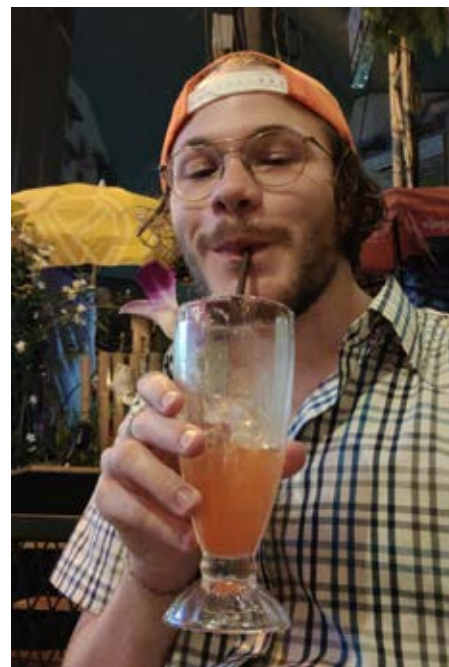
Mai What?

REMEMBER OUR EX-WEBMASTER JONIII? WHERE DID HE GO?

You want a little break too?
Joniii sent us the recipe, so we can sit in the sun and pretend we are on a holiday too ;)

Also, this is a reminder to make fresh ice cubes to get ready for them sunny days coming

♠

Mai Tai Recipe

Ingredients for 1 glass

- 2 cl dark rum
- 2 cl light rum (or just use the same rum 2 times)
- 1 cl triple sec (Contreau)
- some lime juice
- 3 cl pineapple juice
- 3 cl orange juice
- ½ glass ice cubes
- Some mint leaves for decoration

Instructions

mix all the ingredients together and enjoy.

(if you want to be fancy and shake it, but don't have a shaker just use an old jar.)

v.l.n.r. Manuel Hässig, Julia Bogdan, Florence Kissling, Johan Stettler, Fabian Ruckstuhl,

Pascal Strebel, Tobias Scheithauer, Fiona Pichler

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