

Daan Sprenkels

Curriculum Vitae

✉ hello@dsprenkels.com

📄 www.dsprenkels.com

📍 [dsprenkels](https://www.dsprenkels.com)

Date of birth: 12 / 04 / 1994



Education

2016–2019 (*expected*) **master computer science (track: “Cyber security”)**, *Radboud University, Nijmegen.*

Thesis: *Implementing prime order elliptic curve cryptography over $\mathbb{F}_{2^{255}-19}$*

2011–2016 **bachelor chemistry (minor computer science)**, *Radboud University, Nijmegen.*

Thesis: *Stereoisomerism in cocrystal structure analysis*

2005–2011 **VWO (Gymnasium)**, *Titus Brandsmalyceum, Oss.*

Professional experience

2017–present **teaching assistant**, *Radboud University, Nijmegen.*

2014 **employee**, *Chemical storage, Faculty of Science, Nijmegen.*

Experience through voluntary work

2014–2015 **treasurer/board member**, *ASV Karpe Noktem.*

organised/oversaw about 120 social events in one year for the 180 members, involving a yearly revenue of 52.000 euro.

2013–2014 **commissioner of faculty affairs/board member**, *Umbrella association Olympus.*

coordinator between various sections of the faculty and the study associations.

2012–present **stock committee member**, *Umbrella association Olympus.*

maintainer and buyer of the stock of the student canteens (48 thousand euro per year).

2012–2017 **website committee member**, *Umbrella association Olympus.*

head from October 2015 until October 2017 (olympus.science.ru.nl).

2012–2015 **technical committee member**, *Stichting Villa van Schaeck.*

member of the committee maintaining the networking infrastructure for a building and its stage sound and lighting hardware/software.

2011–2014 **website committee member**, *ASV Karpe Noktem.*

member of the committee maintaining the digital infrastructure and website of the student's club (karpenoktem.nl)

2012–present **various other committees**, *Karpe Noktem/Olympus.*

I have participated in committees involving programming live music, DJing, checking the correctness of Olympus' accountancy, bar personnel and organising weekend camps.

Command of languages

Dutch native language
English fluent in word and writing

Computer skills

Languages (proficient) Python, JavaScript, HTML/CSS, Rust
Languages (familiar with) AMPL, Assembly (ARMv7, x86_64), C, C++, Go, Haskell, Java, Lua, Matlab, PHP, SQL
Other knowledge of version control (git, subversion, mercurial, etc.), bash, make, Latex

Various projects

VPS Back in 2013, I thought it would be time for me to be able to dabble around in server administration. I started renting a virtual server with my brother (XEN; 8 cores; 2G RAM). Since then, I have had a lot of fun managing server-side programs like postfix and lighttpd, domain names, SSL certificates, automatic deployment (ansible/docker), security and backup mechanisms. (<https://gogs.dsprenkels.com/dsprenkels/jati>)

pdnworkshops I organised a weekend camp for new students (Sep, 2015). We offered twelve different workshops to the 100 students, of which they each could choose two. For dividing the students, the other camps would apply first-come-first-serve methods or go puzzling by hand, based on the students' preferences. We had used brute-force methods during previous years for calculating good solutions. I had taken it further by building models in AMPL and using the *GNU Linear Programming Kit* to calculate an optimal solution. (<https://github.com/dsprenkels/pdnworkshops>)