Sven Geboers

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Profile

I am a control engineer with a strong affinity with programming and Linux systems. Being inventive, good at problem solving, as well as having strong organizational skills are my main strengths. My mother tongue is Dutch, but I speak English fluently and I can understand French pretty well. My interest lies with science in general but my main focus lies with using physics and maths to make the world a better place.

Skills

Software

- Strong Knowledge: Python, Linux (main OS since 2015), Git, LaTeX
- Working Knowledge: Bash, C++, SQL, Ansible, GitLab, Kafka, GTFS, Hugo, Photogrammetry

Education

MSc Systems & Control - Delft University of Technology

2018 - 2022 - University master program. Courses include optimization in systems and control, control theory, system identification, hybrid control and knowledge based control. Thesis covered an algorithm to more efficiently schedule inland water vessels at terminals.

BSc Aerospace Engineering - Delft University of Technology

2015 - 2018 - University bachelor. Courses included applied numerical analysis, flight control, structures, vibrations, calculus. Also included an exchange to the University of Bristol.

Work Experience

- January 2022 - March 2023 Responsible for the facilitation of research and prototype testing at "The Green Village". Work includes Linux, various api's, Kafka, GitLab, automation, and various forms of system administration.
- October 2021 - January 2022 Responsible for connecting an energy usage data stream of the TU Delft to a central database (ca. 1 million datapoints/day).
- August 2019 - February 2021 Aerinspect, role is to work out and test proof of concepts regarding drones, photogrammetry, IoT devices, Arduino, LoRa and the insertion of such data in 3d models.

Extracurricular

- October 2022 - present: In the process of setting up a sustainability based student association in Delft.
- January 2018 - present: Responsible for the maintenance of a mediaserver and network for a 22 people student house. Work includes Linux, docker, raspberry pi, bash scripting, backups, etc.
- June 2019 - March 2021: Elected housepresident out of a 22 people student house. Work includes being the contact point towards the landlord and to new people, as well as arranging more official stuff and chairing the monthly housemeeting. Apart from that I also managed the finances of the house.

Hobbies and Interests

Rowing, politics, open source software, advent of code (I got all stars in 2022), home automation with homeassistant, geocaching