

I'm a driven individual with a strong passion for computer science and software engineering, specializing in data science, AI, and side channel analysis. I've excelled academically, published a toolbox in side channel analysis, led a team in building the fastest hydrogen race car, and contributed to projects at Flowtraders. I've also made significant contributions to the sport of powerlifting as a coach and tinker with technology in my free time. Please checkout my [website](#) for a more detailed overview of my competencies and projects.

SKILLS

Programming Languages	C/C++, Bash, Python, Rust, Java, Assembly x86, TypeScript, MatLab, Prolog, R
Tools	Git, Kubernetes, Docker, Ansible, Kafka, Grafana
Communication	English (C2), Dutch (native), German (B2), Swedish (B1)

TECHNICAL EXPERIENCE

Trading Operations Engineer

FlowTraders - Full-time - Python, Bash, Ansible

08/2022 — Present

Amsterdam, the Netherlands

- Maintained a large trading system composed of thousands of different elements.
- Developed several automation solutions for ad hoc problems.
- Excelled operationally, by leveraging monitoring and automation technologies.
- Worked together closely with Traders, Software Developers, Quants and DBAs.

Chief Software Engineer

Forze Hydrogen Racing - Full-time - C++, Python

06/2021 — 06/2022

Delft, the Netherlands

- Developed embedded systems for the world's fastest hydrogen racing car.
- Designed an intricate centralized system for the management of data and communication within the car.
- Created an extensive Continuous Integration server for code management and testing.
- Worked on a telemetry system with IBM.
- Applied industry-standard customs and methodologies, such as MISRA C and Scrum.

Software Engineer

AI SY Labs - Part-time - Python

10/2021 — 03/2022

Delft, the Netherlands

- Designed and developed a state-of-the-art Side-Channel Analysis toolbox powered by deep learning.
- Created a toolbox used by leading researchers in the field.

Teaching Assistant

Delft University of Technology - Part-time - Java, Python, C++

02/2018 — 08/2021

Delft, the Netherlands

- Mentored students with their understanding of the material and assignments for seven different courses.
- Assisted professors with classroom management and document coordination.
- Reviewed and graded written and oral examinations.

EDUCATION

Master of Science in Computer Science

Delft University of Technology

09/2020 – 07/2022

- Data-science track, specialization in cyber-security.
- Thesis about the analysis of higher-order univariate and multivariate data sets in the field of Profiled Side-Channel Analysis.
- Gained experience with the application of Deep Learning and other Artificial Intelligence techniques.

Bachelor of Science in Computer Science & Engineering

Delft University of Technology

09/2017 – 07/2020

- Minor abroad at KTH Royal Institute of Technology in Stockholm, Sweden.
- Participated in ten different group projects, four of which as team leader.

ACTIVITIES AND INTERESTS


Head of the board of D.S.K.V. IJzersterk.

08/2021 — 08/2022

- Led meetings and negotiations with the TU Delft to procure sponsorship contracts.
- Organized competitions and events.

Completed in-depth ethical hacking course at KTH Royal Institute of Technology.

Fall 2019

Numerous personal and collaborative projects showcased on my [portfolio website](#) and  Github.

Sports: climbing, gymnastics, skiing, and powerlifting.