

EDUCATION

- Technische Universiteit Delft Master of Science** *Delft, NL*
Computer Science MSc Programme *2021–Present*
– Specialization in Cyber Security and Distributed Systems
- Technische Universiteit Delft Bachelor of Science** *Delft, NL*
Computer Science and Engineering BSc Programme *2021–2024*
– Graduated with Cum-laude (8.1/10). Minored in Global Affairs, Leiden University
– Systems track: Digital Systems, Embedded Software, Operating Systems

EXPERIENCE

- PRODAFT** *Den Haag, NL*
Developer & Offensive Cyber Threat Intelligence Analyst *September 2022 - Present*
– Working on the backend infrastructure of a threat intelligence information dissemination product.
– Development and implementation of graph-based algorithms using Neo4J: PageRank, Recommendation, Explainable AI, Risk Prediction.
– Internal tool development for automating TI tasks, management of team members and collaborative knowledge management.
– Creating both public and private reports sharing details on threat actors and their operations, TTPs, and IOCs.
- Rotterdam Police Department** *Rotterdam, NL*
Intern at Team Zeden and TBKK *April 2023 - July 2023*
– Worked on the development of an internal tool used for detection of encrypted containers in a live system or forensic evidence files.
- TU Delft** *Delft, NL*
Teaching Assistant *September 2022 - February 2024*
– Assisted in the teaching of the courses Object Oriented Programming, Computer Organization, Web & Database Technologies and Embedded Software.
- ASELSAN** *Ankara, TR*
Intern at Software and Hardware Design *January 2020 - February 2020*
– Designed and produced a simple timing circuit
Learned the basics of FPGA design and developed a simple FPGA project using VHDL.

PROJECTS

- **Sanctum** (*C/Linux Kernel, 2024*)
A kernel module for seamless process-bound FDE.
- **DelftBlue API** (*Spring Boot, 2023*)
An API for managing the Delft Blue Supercomputer.
- **MetisHealth** (*SpringBoot/VueJS, 2021*)
A patient and appointment management program
- **Bachelor Thesis** (*Python/ML, 2024*)
Impact of topological perturbations to GNN stability
- **massurl** (*C, 2021*)
A tool for sorting and sorting a large number of URLs.
- **YeetClock** (*Hardware/IoT, 2019*)
An open source smart alarm clock solution.

HONORS & AWARDS

- HackMasters 2024 3rd Place *Summer 2024*
- Blue and Yellow Belt in pwn.college *Spring 2022*
- TUBITAK Research Project Competition 2nd Place in Computer Science *Winter 2020*
- International WRO Friendship Tournament 1st Place, Open Category. *Summer 2018*

SKILLS

- **Programming Languages:** Python, C, C++, Golang, Java, JavaScript, Bash, x86 Assembly
- **Frameworks/Tools:** Django, Flask, QT, VueJS, Spring Boot, JavaFX, Linux/Unix, Neo4J, Docker