

EDUCATION

Technische Universiteit Delft Master of Science

Computer Science MSc Programme

- Specialization in Cyber Security and Distributed Systems

Delft, NL

2021–Present

Technische Universiteit Delft Bachelor of Science

Computer Science and Engineering BSc Programme

- Graduated with Cum-laude (8.1/10). Minored in Global Affairs, Leiden University
- Systems track: Digital Systems, Embedded Software, Operating Systems

Delft, NL

2021–2024

EXPERIENCE

PRODAFT

Developer & Offensive Cyber Threat Intelligence Analyst

- Working on a threat intelligence correlation platform (CRADLE) to aggregate artifacts from data sources with high throughput.
- 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.
- Proactive threat hunting and penetration testing

Den Haag, NL

September 2022 - Present

Rotterdam Police Department

Intern at Team Zeden and TBKK

- Worked on the development of an internal tool used for detection of encrypted containers in a live system or forensic evidence files.

Rotterdam, NL

April 2023 - July 2023

TU Delft

Teaching Assistant

- Assisted in the teaching of the courses Object Oriented Programming, Computer Organization, Web & Database Technologies and Embedded Software.

Delft, NL

September 2022 - February 2024

ASELSAN

Intern at Software and Hardware Design

- Designed and produced a simple timing circuit
Learned the basics of FPGA design and developed a simple FPGA project using VHDL.

Ankara, TR

January 2020 - February 2020

PROJECTS

- **Sanctum** (Rust/Tokio, 2025)
DAG-based fair-ordering atop Narwhal/Tusk
- **Cradle** (Python/Django, 2025)
Threat intelligence correlation platform.
- **Bachelor Thesis** (Python/ML, 2024)
Impact of topological perturbations to GNN stability
- **massurl** (C, 2021)
URL Reconnaissance Utility
- **BlueBell** (C/Linux Kernel, 2025)
WIP. Please reach out for details.
- **Sanctum** (C/Linux Kernel, 2024)
Kernel module for seamless process-bound FDE.
- **Disk Encryption Analyzer** (Python, 2023)
Forensic utility to scan disks for encryption artifacts
- **YeetClock** (Hardware/IoT, 2019)
An open source smart alarm clock solution.

HONORS & AWARDS

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

SKILLS

- **Programming Languages:** Python, C, Rust, Golang, Java, JavaScript, Bash, x86 Assembly
- **Frameworks:** Django, Flask, Tokio Async, QT, React, Spring Boot, JavaFX
- **Miscellaneous:** Linux Kernel, Systems Security, Consensus Protocols, Concurrency, DAG Blockchain, Order-Fairness, Puzzles