



Max Răulea

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PROFILE

Computer security student with a soft spot for low-level programming. Six years of programming experience across many languages — most at home in C. Interested in software development, testing and security, and a regular in CTF competitions to sharpen the offensive side. Away from the keyboard: teaching myself piano and music theory, the gym, a football team, and the occasional chess game.

EXPERIENCE

Teaching Assistant — Vrije Universiteit Amsterdam

2024 — 2026

Amsterdam

- Courses: Operating Systems, Automata & Complexity
- Helping students with practical assignments in C
- Grading assignments and checking plagiarism cases
- Presenting assignments during lectures

Intern — Embedded Software — The Landrovers

Aug — Dec 2024

Amsterdam

- Developed HMI software in C for custom-built vehicles
- Built a backup-camera application with dynamic guidelines driven by the steering-angle sensor, drawn with OpenGL
- Developed a multithreaded CAN receiver/transmitter for the infotainment screen
- Introduced a small custom unit-test framework for test suites
- Worked with embedded Linux (Yocto and Debian)

Junior Software Engineer — RYSST

Summer/autumn 2023 (5 mo)

Maarssen

- Co-developed an in-house paint application (TypeScript)
- Co-developed data-visualisation tools and dashboards in Power BI
- Kept the scrum backlog up to date; tested developed software

Employee — Boca Grandi

Summer 2023

The Hague

- Bartending; build-up, breakdown, cleaning and maintenance of the beach house

Co-Founder — Pauwer

2022 – 2023

The Hague · never deployed

- Developed a scheduling app in Swift (Xcode)
- Programmed front-end logic and database connection; implemented the UI design
- Requirement elicitation with non-technical stakeholders

Co-Founder — Isply

2021 – 2022

Helmond · never deployed

- Developed a mobile delivery app (Android Studio)
- Connected and maintained the Firebase database
- Programmed front-end logic and implemented the UI design
- Requirement elicitation with non-technical stakeholders

Co-driver & Order Picker — Swinkels Family Brewers

2020 – 2021

Lieshout

- Picked and prepared orders for transport; co-drove deliveries to cafés and restaurants
- Collected and sorted empty crates and bottles for recycling

Employee RAP — IJK Software Services

2019 – 2020

Helmond

- Converted employee text documents to XML and deployed them to the RAP environment
- Tested and verified colleagues' work; peer-review meetings

EDUCATION

MSc Computer Security — Vrije Universiteit Amsterdam

2025 – 2026

Amsterdam · ongoing

BSc Computer Science — Vrije Universiteit Amsterdam

2022 – 2025

Amsterdam · degree obtained

IBC — International Business College, Carolus Borromeus College

2019 – 2021

Helmond · degree obtained

VWO — Carolus Borromeus College

2015 – 2021

Helmond · degree obtained

PROJECTS & OPEN SOURCE

example-kernel-tool

C, Linux

PLACEHOLDER — short one-or-two sentence description of what it does and why it's interesting.

pcb-portfolio

Three.js, GSAP, JavaScript

This website. An interactive PCB you scroll across, built with Three.js and GSAP — open source, easter egg included.

SECURITY & CTF

CTF competitions

PLACEHOLDER — e.g. team name, notable events played, categories you focus on (pwn / rev / crypto).

Writeups

PLACEHOLDER — link a favourite writeup or two here.

LANGUAGES

- Dutch — native
- English — fluent

INTERESTS

low-level hacking · CTF competitions · programming · reading · piano & music theory · football · gym · chess