

JULIAN JURCEVIC

Reutlingen · julian.jurcevic@proton.me

GitHub

LinkedIn



SUMMARY

M.Sc. Computer Science student specializing in networking and systems programming, with hands-on Rust experience in traffic generation, performance benchmarking (RFC 2544) and network observability tooling. I dig into technical problems in a structured way and bring strong motivation and attention to detail to performance- and quality-focused software engineering.

EDUCATION

Eberhard Karls Universität

M.Sc. Computer Science *grade 1.26*

Courses: Modeling and Simulation I–II, Data Literacy, Network Security I–III

Tübingen

04/2025 – Present

Eberhard Karls Universität

B.Sc. Computer Science *grade 1.7*

Courses: Foundations of the Internet, Internet Lab I, Foundations of Internet Technologies

Thesis: P4TG Traffic Generator – automated testing, data export and UX improvements

Tübingen

04/2021 – 09/2024

SKILLS

Languages: Rust, Python, TypeScript

Frameworks: React, FastAPI

Tools: Linux, Shell (Bash), Git, Docker, SQLite, REST APIs

Domains: Networks, Testing, Web Development

EXPERIENCE

ElringKlinger AG – Business Unit Battery Technology

Working Student

Neuffen

11/2025 – 02/2026

- Developed an internal application for storage-location booking across 3 departments as a user-friendly SAP alternative.
- Implemented search, filter and status logic for the operational booking workflows.
- Gathered requirements on site with domain stakeholders for production use.

Medizintechnik Reutlingen GmbH – Praxisplanung, Beratung & Verkauf

Technical Staff

Reutlingen

09/2024 – 04/2025

- Acted as liaison between the external vendor dev team and internal departments during the software migration, supporting issue resolution.
- Served as go-to contact for the team on IT and software issues in day-to-day operations.
- Automated the sending of around 500 customer appointment reminders, reducing manual support effort.

Eberhard Karls Universität Tübingen

Teaching Assistant

Tübingen

04–07/2023, 04–07/2024

- Supervised 20 students and taught stochastic concepts with R.

PROJECTS

P4TG Extension *Rust, TypeScript*

GitHub

Extended a P4-based traffic generator (Intel Tofino, 10x100 Gb/s) with custom profiles, RFC-2544-based tests and improvements to the React web interface and toolchain.

Network Observer *Rust, TypeScript*

GitHub

Developed a local network observability tool with packet capture, ARP host discovery, mDNS peers, session aggregation and a React dashboard over HTTPS/WSS.

Search Engine *Python, TypeScript*

GitHub

Developed a topic-focused search engine with a web crawler, BM25 index, FastAPI backend, relevance labeling and React frontend.