

TOM GOUVILLE

French student reading
Computer Science



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PERSONAL STATEMENT

Student at TELECOM Nancy, a French computer engineering school. Interested in software architecture, distributed systems, security, cryptography and open source software.

IT SKILLS

Linux – Arch Linux/NixOS/Debian-like

Git – GitHub/GitLab

C

Rust

Python

TypeScript/Javascript

Docker/Podman

MySQL/MariaDB/MongoDB

WORK & EXPERIENCE

- 2022-09 – 2023-08 **Research internship** Inria Grand-Est
Part time internship for 6 months then full time internship in a laboratory in the PESTO team. Work on formal proofs of security properties of the QUIC protocol with the Tamarin Prover.
- 2022-06 – 2022-08 **Developer internship in free and open source software** Cairn Devices
Development of a free and open source, cross-platform hardware analysis software using Rust and Qt. The goal was to make a tool which was user-friendly to help the users troubleshoot their computer hardware problems.
- 2022 – 2023 **Website development for school humanitarian association** Humanit'TN
Development and deployment of a website for a humanitarian event made using microservices (Svelte, FastAPI, RabbitMQ, Rust, Go, Docker) for two editions (2022 & 2023) which helped to collect more than 23,000€ for child protection
- 2020 – 2023 **School projects** TELECOM Nancy
Projects made during my studies including making a POSIX Shell in C [↗](#), a reduced C compiler in java, a ADN/ARN sequence alignment software in Python [↗](#)
- 2020 **Freelance developer** KCM media
Email sending API developpement using NodeJS, TypeScript and ElasticSearch

EDUCATION

- 2020 – 2023 **Student in engineering school (computer science & software engineering)** Nancy (France)
MSc. Degree
TELECOM Nancy
- 2018 – 2020 **Undergraduate studies to prepare for competitive entry exams to top French engineering schools** Caen (France)
Mathematics, Physics, Computer Science, English, French literature
Lycée Malherbe
- 2015 – 2018 **High school** Caen (France)
High School Diploma with highest honour
Lycée Malherbe

LANGUAGES

French - Native speaker

English - Fluent (TOEIC score: 925)

INTERESTS AND ACTIVITIES

IT : Self hosting many services (Nextcloud, websites... using Docker, Traefik, Nginx, Apache, etc), contributing in free and open source communities

Sport : Martial arts practice (*Quan Khi Dao*) and street workout.

Literature, philosophy: Epistemology, philosophy