

Florian Cuerq

Network and Software Engineer

✉ florian@cuerq.fr 📍 Grenoble, France 🌐 <https://florian.cuerq.fr> [in](#) [Linkedin](#)

Experience

- | | |
|--|-------------------------|
| Schneider Electric | Grenoble, France |
| Network and Software Engineer | Sept 2025 - Present |
| <ul style="list-style-type: none">• Designed and built a hardware-agnostic network controller for electricians installing the product on-site, configuring any number of access points or switches in a few clicks with no networking knowledge required, replacing manual per-device setup; architected it to be modular and evolutive to support future products (<i>ongoing</i>)• Contributed to API design for network products integrating with the controller | |
| Schneider Electric - Connected Offers | Eybens France |
| CS Engineer apprentice | Sept 2022 - Sept 2025 |
| <ul style="list-style-type: none">• Built a modular network test platform that recreates customer network environments for debugging, designed from the start to evolve as testing needs change• Co-designed a multi-vendor Matter interoperability lab spanning Ansible, Proxmox, Cisco, and Mikrotik. | |
| Schneider Electric - North America Hub | Cedar Rapids, Iowa, USA |
| CS Intern | June 2024- Aug 2024 |
| <ul style="list-style-type: none">• Built a test harness in Python and the Matter SDK to measure inter-device latency across a Matter fabric of a few devices, using Ansible to automate test setup• Documented latency benchmarks that led the team to rule out wireless technologies (Thread and Wi-Fi) for critical use cases within a Matter stack | |
| Schneider Electric - NCO | Apr 2022 - Aug 2022 |
| CS Intern | |
| Designed a Proof of Concept for local network management to mitigate security threats, utilizing Mikrotik routers to automate the setup of VLANs and firewall rules. Created a complete web application using Flask (Python framework). | |

Teaching

- | | |
|---|------------|
| BTS CIEL - Schneider Electric school | Since 2025 |
| Python Instructor | |
| Teaches a Python course to 2nd-year BTS CIEL students, covering professional dev environments and debugging, with a mini-project building an SNMP scraper | |

Projects

- | |
|---|
| Networking / Self hosting |
| Designed and deployed a resilient network for self-hosted services across 2 sites with offsite backup |
| Software used : Traefik, Docker, Grafana, Raspberry Pi, Ansible, NextCloud |
| Networking : RouterOS, VXLAN, Wireguard |

Education

- | |
|---|
| ENSIMAG, Grenoble |
| Engineering degree in computer science and applied mathematic |

Sept 2022 - Aug 2025

Enhancing skills and knowledge in computer science through various projects:

- Developed a **Java compiler** as part of a team, gaining a deep understanding of each step in the compilation process.
- Built an **OS kernel** with a clear separation between user and kernel space.
- Designed a **RISC-V processor** using VHDL.

Budapest University of Technology and Economics Exchange
Networking and Math Sept 2024 - Jan 2025
Studied IPv6 mobile networking and applied mathematics, with a focus on vectors and matrices.

DUT informatique Grenoble Computer science degree
Sept 2020 - July 2022
Learned to design and develop applications using UML and other conception techniques.

Languages & Technologies	Networking
	IPv4, IPv6, OpenVPN, Wireguard, RouterOS, Switching/Routing (including VRF & VXLAN)
	Programming languages
	C++, Python, C, Typescript, PHP
	DevOps
	Python, Ansible, Docker, Git
	System
	Linux

Certifications	TOEIC : 980
----------------	-------------