Rayane Hassani

IT Engineering Student — Networks, Security, Optimization | R&D Internship

Rouen, France · contact@rayanehassani.com · linkedin.com/in/rayane-hassani · github.com/RayaneHassani

SUMMARY

IT engineering student and product marketing apprentice at a French B2B telecom operator, across networking and cybersecurity. Research interests: network security, applied optimization, and AI-driven automation. Seeking a 12–17-week R&D internship abroad, in a company team or a research lab, June to early October 2027 (required by my degree).

EXPERIENCE

Product Marketing Project Manager (Apprenticeship) — Linkt (B2B telecom operator)
France · 09/2025 – Present

- Automated market intelligence with AI: role-based briefs being rolled out to 15 stakeholders across 10 business functions, reviewed by IT security, designed to save ~3 h/week per Product Manager.
- Specify and price network equipment for competitive bids to major French public-sector and enterprise accounts — port density, SFP modules, redundancy — sourcing vendors directly and carrying the price-performance trade-off into the quote.
- Coordinate the launch of a new B2B offering with up to 20 contributors from six departments, and keep existing offerings up to date; supplier interviews in English.

Software Developer & Project Lead (Internship) — CESI Rouen Campus
Rouen, France · 05/2025 – 07/2025

- Led a four-person team building a Unity/C# 3D diagnostic tool for room planning: 3 floors and ~120 rooms generated procedurally and coloured from an ERP export, occupancy heatmap with time navigation. In real use.

PROJECTS

Secured Multi-Site Network Infrastructure — academic project, CESI (12/2025)

- Led a team of four redesigning the network of a two-site, 60-user company (L3VPN MPLS) on bare-metal Dell hardware — no simulator. Graded A.
- Designed a 10-VLAN segmentation with a 30-rule default-deny policy on a virtualized Stormshield SNS UTM gateway (5 cabled zones incl. DMZ), an SSL VPN refusing non-compliant endpoints, and the full virtualization chain behind it — Proxmox, Docker, a 3-tier ERP over LDAPS.

Open-Source E-Learning Platform — DevOps lead, CESI civic project (10/2025 – Present)

- Sole DevOps owner in a team of four: bare server to running platform in one replayable command, automatic TLS (Caddy), updates with automatic rollback of code and database, guarded CI (secrets, dependencies, migrations), self-hosted monitoring with no public port (Prometheus, Grafana, Loki). github.com/CodeStar-Project/codestar

Metaheuristics Benchmark for Vehicle Routing — academic project, CESI (04/2026)

- Modeled an NP-hard vehicle routing problem and benchmarked three Python metaheuristics against a GRASP-style greedy baseline (20–100 cities, 10 per size). Tabu search gave the best quality-runtime trade-off: 20–32% lower cost than the greedy baseline, in under a second of compute. Tagged release, green CI: github.com/RayaneHassani/vrpr-metaheuristics-benchmark

Memorium — open-source CLI published on PyPI, personal project (07/2026 – 09/2026)

- Zero-dependency Python CLI turning Claude Code logs into a searchable, offline HTML journal: 68 sessions exported in 2 s, PyPI package, CI on Python 3.8 to 3.13. github.com/RayaneHassani/memorium

EDUCATION

MSc in IT Engineering (Diplôme d'Ingénieur) — CESI, Rouen, France
09/2023 – 09/2028 (expected)

Bachelor's degree, Health Sciences — Faculté de Médecine, Rouen, France
09/2020 – 06/2023 · Clinical rotation (CHU Charles Nicolle): protocol-driven rigor and diagnostic reasoning.

SKILLS

Networking: TCP/IP, routing and switching, VLANs, ACLs · Security: firewall policy design, UTM (Stormshield SNS), SSL VPN, DMZ segmentation, Hack The Box labs · Active Directory/LDAPS · Wireshark · GNS3 · Linux · Docker · Proxmox · CI/CD (GitHub Actions) · Python

CERTIFICATIONS & LANGUAGES

Cisco CCNA 1 completed · CCNA 2 in progress · CCNA 200-301 planned spring 2027
French — native · English — professional working proficiency (vendor interviews, technical docs)