

Nemo D'Acremont

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Education and Certifications

ENSEIRB-MATMECA, MSc in Computer Science Sept 2023 – July 2026

• **Relevant coursework:** Basic Linux configuration, Software Engineering, Agile Methodologies

Google cybersecurity, Google Cybersecurity Professional Certificate

July 2025

• **Relevant skills** Risk management, Database Management Systems, SIEM, security knowledge

Core Skills

Languages: C, C++, Go, Python, Java, Rust

DevOps Tools: Docker, GitHub actions, Gitlab CI/CD, bash, git

Communication: French – mother tongue, English – C1, Spanish – Beginner

Web technologies: HTML, CSS, Javascript/Typescript, Svelte, VueJS, Express, PHP

Databases: Sqlite, PostgreSQL, mongodb

Networking: TCP/IP, POP3, SMTP, HTTP(s), SSL/TLS, IPsec, wireguard, OAuth 2.0, LDAP

Experience

Cybersecurity research intern, Eirbware – Talence, FR

May 2025 – October 2025

- Implemented a PoC of a zero-trust architecture in **Go** and **Typescript** using noise protocol
- Researched and developed a PoC of a remote attestation solution in **Go** for highly specialized and critical systems

Association commitment, Eirbware, Unlock, GCC, BDA – Talence, FR

May 2024 – May 2025

- Architected and deployed a container-driven server (**Docker**), enhancing scalability, security and maintainability.
- Led the migration of a legacy server hosting 50+ websites to a new infrastructure, ensuring zero downtime
- Minimized manual operation and accelerating release cycles by introduced automated deployment pipelines
- Organized and supervised a CTF in collaboration with the French Army, managing 40+ participants
- Optimized PixEirb's website load time by 500% by optimizing **PHP** code and **SQL** queries
- Architected and built Occult'eirb full-stack website with **Svelte**, **Express** and **PSQL**, adopted by 100+ users
- Improved security and ease of integration by creating Protect, a **PHP** OAuth add-on for static sites

Tutoring, ENSEIRB-MATMECA – Talence, FR

Oct 2024 – Dec 2024

- Tutored 10 students in **Bash** and **C**, achieving a 100% pass rate among students who attended.

Academic and personal projects

Homelabing

2024-present

- Improving my privacy, efficiency and skills by architecting and managing a homelab to self-host services
- Hosted services : vaultwarden, gitea, jellyfin, grafana, truenas, wastebin
- Tools Used: docker, swarm, kubernetes, proxmox, wireguard

Go AI (ML) academic project

git.dacremont.xyz/ndacremont/go-ai

- Designed and trained a Neural Network AI to evaluate a position at go board game using **python** and **pytorch**
- Won this project championship by creating a player using alpha-beta pruning search, IDS and optimizations

Participation in CTFs and Competitive Programming contests

- Participating in CTFs strengthened my skills in web, reverse engineering, cryptography, and teamwork.
- Participation : 404ctf, 0xL4ugh, midnight sun CTF, L3akCTF, x3ctf, WolvCTF, WatCTF
- Participate in Codeforces contests to sharpen my problem-solving and algorithmic skills