

Cédric Lin

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Education

- M.Sc. Computer Science** 2025 – 2026
Université du Québec à Chicoutimi (UQAC), Canada — *Cybersecurity*
- Diplôme d'Ingénieur (M.Sc. equivalent) in Computer Science** 2023 – 2026
Télécom Nancy, France — *Network, Systems and Security*

Experience

- Systems Security Intern — Wintics, Paris** Jun – Aug 2025
- Designed **Ansible hardening framework** aligned with **CIS Benchmarks** and ANSSI
 - Automated **compliance auditing** and **remediation** for Linux systems
 - Developed validation modules to enforce **secure baselines at scale**
 - Produced operational documentation for deployment and troubleshooting

Projects

- ViShield — Real-Time Voice Phishing Detection (Android)** 🔄
- Developed an Android prototype for **real-time vishing detection** during live calls
 - Implemented **audio capture and segmentation** using rooted Android
 - Built an inference pipeline combining **speech-to-text** and **NLP-based classification** to detect phishing patterns (urgency, impersonation, financial pressure)
 - Designed **risk scoring and user alerts** to flag suspicious calls before sensitive data exposure
- Penta — Reconnaissance & Execution Engine (Go)** 🔄
- Designed a modular scanning platform powered by a **DAG-based execution engine** with concurrency control and rate limiting
 - Implemented **recursive crawling** and advanced filtering for **attack surface discovery**
 - Built deterministic pipelines with **deduplication**, fail-fast logic, and timeout handling
 - Integrated **observability hooks** and lifecycle tracking for resumable workflows
- Homelab — Secure Infrastructure (Proxmox + AWS)**
- Designed a **segmented network** with VLANs and **zero-trust assumptions**
 - Deployed **WireGuard overlay** via AWS EC2 for secure remote access
 - Integrated reverse proxy, DNS filtering, and internal services
 - Implemented **centralized logging** using ELK stack (SIEM-like pipeline)

Achievements

- Top 1% on TryHackMe** | 📄 | **1st place — Cyber Saguenay CTF** | 🌐
- 2nd place — Mastercard CTF, tied 1st** | 🌐 | **Hackfest 2025 — Québec cybersecurity conf.** | 🌐

Skills

Programming: Go, Python, Bash **Security:** Burp Suite, Nmap, Wireshark, ffuf
Infrastructure: Proxmox, Docker, k3s, AWS **IaC:** Terraform, Ansible
Spoken Languages: French (native), English (C1), Chinese (intermediate)