

# ALEXANDRE CHOU-A-WEAN ALIAS LEE-HUNG-HING

Cybersecurity Student focused on System Security, Network Analysis and Security Tooling

Seeking an internship abroad in cybersecurity (SOC, security engineering, or pentesting-oriented tooling)

Available: November 2026 – March 2027 (5 months) — On-site internship — Open to relocation

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## Education

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### EFREI Paris — French Grande École Engineering Program

Specialization in Cybersecurity, Infrastructure & Software Systems

Expected Graduation: 2028

Paris, France

### Concordia University

Computer Architecture, Networks and Protocols, Introduction to Cybersecurity

Academic Exchange Semester

Montréal, Canada

## Security Projects

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### NetSleuth — Network Reconnaissance Tool

Python | Sockets | Threading

- Implemented a multithreaded TCP scanning tool capable of identifying exposed services, extracting banners, and mapping reachable hosts across a network range
- Applied reconnaissance techniques used in penetration testing to understand how exposed services reveal an attack surface
- Designed structured JSON reporting to simulate integration into automated security assessment workflows

### LogSentinel — Security Event Detection & Log Analysis Engine

Python | Regex | Threat Detection

- Built a log analysis engine to detect malicious patterns in SSH and web server logs such as brute-force attempts, scanning behavior, and unauthorized access
- Developed rule-based detection logic inspired by real-world monitoring tools (fail2ban / SIEM concepts) using regex and behavioral heuristics
- Produced automated incident summaries to highlight suspicious activity and reduce manual log inspection

### HyprWall — System Automation & Resource Management | *GitHub*

Bash | Linux | Wayland

- Engineered a Linux system-level application interacting with Wayland compositor, system metrics, and multi-monitor configuration
- Integrated real-time CPU/GPU/thermal monitoring to adapt runtime behavior based on system load and power constraints
- Worked with inter-process communication, configuration parsing, and performance profiling in a real Linux environment

## Additional Experience

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### Horizon Association (EFREI)

Technical Tutor — Systems & Programming

- Mentoring students in technical subjects: system programming, networking fundamentals, and problem-solving methodology

Ongoing

Paris, France

### Nature & Découvertes & Tang Frères

Retail Associate

- Customer service and retail operations during academic breaks

2024 – 2025

Paris, France

## Technical Skills

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**Security & Networking:** TCP/IP analysis, Network surface mapping, Wireshark, Nmap, fail2ban, tcpdump

**Systems:** Linux (Arch/Fedora/Ubuntu), Bash, System monitoring, Process management

**Programming:** Python, C/C++, Java, SQL, JavaScript, TypeScript, MATLAB, VHDL

**Tools:** Git, Docker, VirtualBox/VMware, JetBrains, VS Code, Azure

## Soft Skills & Languages

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**Soft Skills:** Problem-solving, Autonomy, Clear communication

**Languages:** French (Native), English (TOEIC 875 — Fluent — academic exchange in Canada), Cantonese and Mandarin (Conversational)