NOÉ BACKERT

COMPUTER ENGINEERING STUDENT - MINES SAINT-ETIENNE

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PROFIL

I am seeking an end-of-studies internship in the field of cybersecurity, with a focus on penetration testing, project management or hardware security. My goal is to contribute to strengthening the security of information systems through hands-on experience and technical expertise.

EXPERIENCES

Internship, Saint-Etienne School of Mines, Gardanne, France   **April 2024 - July 2024**
- Research on laser fault injection techniques to identify vulnerabilities and strengthen the security of cryptographic systems.
- Use of state-of-the-art equipment in a highly secure environment, strictly adhering to security and confidentiality protocols.

Internship, IMD Informatique, Obernai, France   **January 2024 - February 2024**
- Diagnose and resolve hardware and software problems on various devices.
- Provide clear technical support to customers and propose improvements to their systems to meet their needs.

Association President - COMIF (Commission Foyer)   **March 2023 - April 2024**
- Management of a cafeteria and a student bar (stock management, project management, communication)

PROJECTS   *(Porfolio available at: noebackert.github.io for project details & more projects)*

Solidarity engineer in action, Mines Saint-Etienne   **February 2023 - July 2023**
- Training people affected by the digital divide in basic IT skills

Full-stack development of a web/mobile application   **July 2023 - August 2023**
- Backend PHP, MySQL - Frontend Flutter

Digital System Development and Design - ASCON128   **November 2023**
- Using SystemVerilog and modeling on ModelSim

Active participation in CTFs   **2023-2024**
- HackDay, Root-me, HackTheBox, 404CTF

EDUCATION

Master of Engineering - Concordia University, Montreal   **Sep 2024 - Dec 2024**
- Exchange semester, specialization in information security (non-degree)
- Security assessment methods, cryptography, architectures and secure networks

Engineering School - Mines of Saint-Etienne ISMIN   **Sep 2022 - Nov 2025**
- Engineer Specializing in Microelectronics and Computer Science - GPA 3.96/4.33
- **Cybersecurity**: Cryptography, Networks, Machine learning, Database, object-oriented programming, C, C++, SystemVerilog, physical security (fault injection, side-channel attack)
- **Management**: Project management, agile methods, production & logistics management, finance

Preparatory Classes for Major Engineering Schools (CPGE)   **Sep 2020 - Sep 2022**
- Specialization: Mathematics, Physics, Engineering Sciences

CERTIFICATIONS

- TOEIC (930/990)
- TOEFL (C1)
- MATLAB Deep Learning
- Les Entrep's - Aix-Marseille
- Udemy course completion certificates
  - ComptIA Network+
  - ComptIA Security+

ADDITIONAL INFORMATION

- **Languages:** French (native), English (C1), German (B1).
- **Driving license**