Alexandre Eberhardt

Montreal, Quebec, Canada │ │ │

Education

Université de Technologie de Compiègne (UTC), *Engineering Degree (Master's level), Computer Science* 2021 – Apr 2027
GPA: 4.66/5

Université Laval, *Master's Degree in Computer Engineering* Aug 2025 – Apr 2027
GPA: 4.17/4

Experiences

Software Engineer Intern, *Savoir-faire Linux — Montreal, Canada* Aug 2024 – Feb 2025
- Engineer intern focused on modernizing the extension system for Jami (open-source P2P softphone).
- Integrated YOLOv11-seg for live video masking using ONNX Runtime in C++.
- Implemented CUDA/cuDNN acceleration, reducing inference time from 0.3s to 0.01s.
- Solved cross-platform compilation issues for Android (NDK) and macOS.
- Built responsive QML interfaces for messaging features.
- Followed strict code quality standards using Gerrit code reviews and CI pipelines.
- Tech stack: C++17, Python, Qt/QML, OpenCV, ONNX, CUDA, CMake, Docker, Android Studio.

Projects

Technical Skills

Programming Languages: C, C++, Python, Java, CUDA, QML
Tools: Linux, Git & Code Review, ONNX Runtime, OpenCV, CMake, Docker, Android Studio

Leadership & Community Involvement

Student Vice-President of the Council for Studies and University Life — Université de Technologie de Compiègne (UTC)
Nov 2023 – Nov 2025
- Elected representative of ~5,000 students on the university executive board.
- Voted on academic reforms and campus life budgets.
- Managed the distribution of grants for student initiatives.
- Represented student concerns in high-level administrative decisions.

Board Member & Secretary – Technology & Entrepreneurship Division — Pôle Technologie et Entrepreneuriat (PTE), UTC
Feb 2025 – Aug 2025
- Updated association statutes (Loi 1901).
- Assisted student clubs with grant applications and administrative files.
- Sat on the Board of Directors and the Grant Commission.
- Managed meetings and internal communication.

Languages

French, English — Fluent