

EDUCATION

- ÉCOLE POLYTECHNIQUE DE MONTRÉAL** September 2025 – Present
Non-thesis master's in software engineering (Montreal, Canada)
- ÉCOLE POLYTECHNIQUE DE MONTRÉAL** September 2021 – May 2025
Bachelor's in Software Engineering (B. Eng), GPA: 3.58/4.00 (Montreal, Canada)
- CÉGEP DE GRANBY** September 2018 – May 2021
Computer Science Technology (Techniques) (Granby, Canada)

PUBLICATIONS

- [Muvih: Multi-view hand gesture dataset and recognition pipeline for human-robot Interaction](#) 2025
Corentin Hubert, Nathan Odic, Marie Noel, [Sidney Gharib](#), S.H.H. Zargarbashi, and Lama Séoud
Robotics and Computer-Integrated Manufacturing

WORK EXPERIENCE

- Walphyre**, *Software Developer (Start-up)* August 2025 – Present
- Designed [PharmaGPT](#), software designed to assist pharmacy technicians
 - Implemented Retrieval-Augmented Generation (RAG) on specialized medical domain documents
- Teledyne DALSA**, *Software Developer Intern* May 2025 – August 2025
- Designed deep learning models for computer vision applications
 - Improved the accuracy and efficiency of optical character recognition (OCR) algorithms
- POLYTECHNIQUE MONTRÉAL LITIV LAB**, *Research Intern* September 2024 – May 2025
- Assessed LLM generalization abilities using new image datasets.
- POLYTECHNIQUE MONTRÉAL VISIONIC LAB**, *Research Intern* April 2024 – August 2024
- Developed of a 3D reconstruction system using a stereo camera system and Intel RealSense
 - Programmed an algorithm for finger index direction detection using Mediapipe and OpenCV
- COVEO**, *Software Quality Assurance Intern* May 2023 – August 2023
- Developed over 20 End-to-End tests in TypeScript to increase test coverage by 40%
 - Tested manually programs to find edge cases
 - Designed a dashboard to display statistical analysis of automated tests

NB Automation, *Database Developer Intern*

January 2021 – August 2021

- Managed central SQL database to reduced query requests by 15%
- Created patient identification system, reducing daily calls by 20%

CLUBS/PROJECTS

PROJECTS

- Finished 2nd at McGill AI hackathon in November 2025 [GitHub](#) [LinkedIn Post](#)
- Won PolyAI challenge at Polytechnique Montréal AI Hackathon in October 2025 [GitHub](#) [LinkedIn Post](#)
- [Received special recognition](#) at MILA AI Hackathon on Modern-Day Slavery in September 2025 [Github](#)
- Programmed [classification and detection vision](#) models for the Palais des Congrès de Montréal
- Built a [website](#) for a biodegradable urns seller using React and Next.js
- Developed a writing assistant Google extension for Gmail
- Built a [demographic dashboard](#) analyzing Quebec's population over two decades
- Participated in a [Datathon](#) to get sentiments toward stocks using Amazon Sentiment in Fall 2024
- Participated in a student exchange program at Seoul National University in Fall 2023

CLUB POLYAI, *Member & Computer Vision with AI*

April 2022 – November 2024

- [Programmed an IA](#) to sort metal can, paperboard and plastic
- Reading AI technics from [Aurélien-Géron-Hands-On-Machine-Learning](#)
- Hackathon: PolyHx Hackertown 2022, CodeML (Machine Learning) 2022 & 2024

SKILLS

- **Hard skills:** Python, C#, Java, SQL, Git, HTML/CSS, TypeScript, JavaScript, R, Julia, Assembly, Bash
- **Data science skills:** PyTorch, Scikit-Learn, Matplotlib, Seahorse, PowerBI
- **Soft skills:** Leadership, Collaboration, Methodical, Convivial, Quality-Oriented
- **Interesting Courses:** Representation Learning, Machine Learning, Computer Vision, Data Mining
- **Interests:** History, Geography, Politics, Basketball, Soccer, Hiking, Cycling

AWARDS

- Research Participation and Initiation Unit - Polytechnique Montréal - value of \$1,500 September 2024
- NSERC - Undergraduate Student Research Awards – value of \$6,000 Summer 2024
- FRQNT - NSERC - Undergraduate Scholarship Supplements - value of \$1,500 Summer 2024