

Education

University of Montreal | B.S. Computer Science

Montreal, Quebec

2020 UMontreal Scholarship Recipient | 2019 Ada Lovelace Scholarship Winner

Sep. 2019 - Dec. 2022

- **Relevant classes taken:** Programming in **C++ I & II**, Programming in **Javascript/Node.JS**, Operations Research (in **Julia**), Intro to Statistics (in **R**), Programming in **Java**, Discrete Structures, Software Engineering & UML, Data Structures in **Python**, Intro. to Algos., Comp. Arch. I

Experience

Facebook, Inc. | Enterprise Engineer Intern (Full stack)

Fremont, California (remote)

LANGUAGE(S): REACT (JS), HACK (PHP) | OTHER CONCEPT(S) EXPLORED: REST APIs, OAUTH, SQL, OBJECT DESIGN

May 2021 - Aug 2021

- Worked on both front and back ends of our team's product, **going beyond initial scope** by collaborating with designers, refining components as deemed fit to **prioritize usability, user productivity and cohesiveness** with other tool components
- **Implemented new third-party API**; developed intuition of the global (end to end) functioning of our product, using this to ensure components solidly handled flow of incoming/outgoing information
- **Initiated technical discussions** about adjustments to ongoing projects as well as ideas for software modules to be conceived in the near future.
- Gave **product demonstrations of my designated project to large audiences**; showed professionalism and expertise when answering questions and representing our team and product; received **positive feedback from organisation leaders**

Collineo Inc. | Software Engineer Intern (Desktop development)

Montreal, Quebec

LANGUAGE(S): C++, QT5, PYTHON, JAVASCRIPT | OTHER CONCEPTS EXPLORED: SYSTEM DESIGN, ROBOTICS

Jul. 2020 - May 2021

- **Helped build and refine** software components that handled low-level communication with remote-controlled robotics systems, introducing data analysis as a way to deliver more precise results and predictions
- Attended and **actively contributed** to weekly system design sessions where systems from different areas of engineering were fine-tuned to address clients' and industry needs

Applied Research in Linguistics Informatics Lab @ UMontreal | Summer Research Intern

Montreal, Quebec

LANGUAGE(S) AND LIBRARIES USED: PYTHON 3, SPACY, NLTK | CONCEPTS EXPLORED: NATURAL LANGUAGE PROCESSING

Jun. 2019 - Jul. 2019

- Started an ongoing project which consists in finding alternatives to ML with the help of **Python's NLP libraries**, in order to automatically answer 100,000 question & answer couplets in Stanford's Question Answering Dataset (SQUAD)

Theoretical and Quantum Computing Lab @ UMontreal | Summer Research Intern

Montreal, Quebec

CONCEPT(S) EXPLORED: THEORETICAL COMPUTING, 3D MODELLING, 3D PRINTING

Jul. 2019 - Aug. 2019

- Successfully built a real-life demonstration of the **BB84 quantum cryptography protocol** that consisted of a laser beam, polarizing filters and a beam splitter. **3D modelling** was also used to create and print mounts with specific sizes and shapes

Volunteering + Extracurricular

Quebec Mathematical Association Congress | Volunteer Web developer

Sept. 2018 - June 2019

LANGUAGE(S) AND FRAMEWORKS USED: JS, CSS, HTML, BOOTSTRAP

- Created and programmed a dynamic medium-traffic website that helped give information regarding the Congress

UMontreal's Women in CS Group | Co-Founder & Spokeswoman

May 2020 - Present

ENSURING REPRESENTATION AND FURTHER PARTICIPATION OF WOMEN IN CS & STEM - NOW 80+ STUDENT MEMBERS!

- Recognized the need for such a group, **took the initiative to co-found it, lead it and represent it**, ensuring a lasting impact on our university

Personal Projects

Ongoing

NOT INCLUDING MINOR PROJECTS IN GRAPHIC DESIGN, ARDUINO PROJECTS, PHOTOGRAPHY, AND VIDEO PRODUCTION

- Detailed 3D rendition of *The Dark Side of The Moon* Album Art (Blender) • Single-player game rendition to *EarthBound* (Java) • IoT RaspberryPi Board RoadTester for *Element14* • Complex Smart WatchFace design of *Van Cleef & Arpel's Planetarium Watch* (Photoshop+Java)

Honours + Awards

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|---------|---|------------------|
| 2019 | 2nd Place Overall McGill Women in CS 2022 Hackathon - For our wardrobe app powered by graph algos. | Montreal, Quebec |
| 2019 | Ada-Lovelace Scholarship "Given to one female student per year with academic excellence and who shows great interest and involvement in the fields of Computer Science and Mathematics " | Montreal, Quebec |
| 2019 | 2nd Place Best (college level) Thesis Presentation - Thesis about Greenhouse Optimization | Montreal, Quebec |
| 2015-19 | Other Prizes: Canadian Robotics Competition (CRC) (2nd place team prize) (2019) • AURA Prize for Student Engagement (2015) • Desautels (McGill) Preparatory Case Competition (1st place) (2015) | Montreal, Quebec |