

## EDUCATION

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### Bachelor of Computer Engineering (Co-op) – GPA: 3.9/4.3

2017 - 2021

Université de Sherbrooke – *Graduated December 2021*

## WORK EXPERIENCE

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### Artificial Intelligence Research Intern

Summer 2021

Croesus Finansoft – Laval, QC

- Research and evaluate state-of-the-art techniques in Differentially Private Synthetic Data Generation.
- Gather, clean and preprocess tabular financial transactions to train Generative Adversarial Networks.
- Build an extensive benchmark to evaluate the performance of various synthetic data generation models.

### AI Developer Intern

Fall 2020

Intact Lab, Intact Financial Corporation – Montréal, QC

- Develop features for a system that optimizes the matching of clients with customer service agents.
- Use in-house REST and SOAP services to build web APIs using Python.

### Portfolio Analytics Intern

Fall 2019

Caisse de dépôt et placement du Québec (CDPQ) – Montréal, QC

- Design automated workflows used to publish large amounts of financial data to AWS S3 Buckets.
- Build a C# tool calculating financial metrics for annually rebalanced portfolios over a specific period.

### C# Software Developer Intern

Winter 2019

Croesus Finansoft – Laval, QC

- Investigate software bugs and write automated tests for a financial reporting software.

## PROJECTS

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### COVID-19 Vaccine Availability Notification Service

Personal Project – [www.alertevaccin.ca](http://www.alertevaccin.ca)

- Design an Angular Web Application and Flask API to provide email notifications about COVID-19 vaccine appointment availabilities in Québec to over 100 users.

### Alpine Ski Performance Measurement System

Capstone Project in Computer Engineering

- Design a 3D trajectory estimation algorithm for an inertial navigation system used for alpine skiing.

### Quebec Housing Market Data Acquisition

Personal Project

- Design a web scraper to gather data on over 90,000 houses sold in Quebec in the last 10 years.
- Clean and preprocess the data to train linear regression models set to predict final selling prices.

## SKILLS

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Programming  
Tools

Python C# C++ C Java MATLAB SQL Angular HTML CSS  
Git Docker Tableau Flask Matplotlib NumPy Pandas TensorFlow