

## SUMMARY OF QUALIFICATIONS

- Excellent quantitative and analytical skills backed by a stellar academic track record
- Solid ability to incorporate new technologies and best practices into existing programming projects
- Strong background and experience in computer programming with languages such as C/C++, Python and JavaScript
- Good bilingual communication skills with experience giving presentations in a business setting
- Displayed strong ability to take software process decisions under tight constraints with the clients' best interest in mind

## EDUCATION

**MPhil in Machine Learning and Machine Intelligence** Oct. 2018 – Sep. 2019

University of Cambridge, Cambridge, UK

- Thesis: Extending and Applying the Gaussian Process Autoregressive Regression Model
- Performed group project focused on reproducing results for variational inference applied to continual learning
- Covered topics such as: linear models, neural networks, kernel methods, graphical models, inference, etc.

**Independent Student (Part-time)** Aug. 2017 – Sep. 2018

Concordia University, Montreal, QC

- Took courses in the department of Mathematics and Statistics
- **GPA 4.30/4.30**

**Bachelor of Computer Engineering** Aug. 2012 – May 2016

Concordia University, Montreal, QC

- Graduated with Great Distinction
- Winner of the Computer Engineering Medal
- **GPA 4.04/4.30**, Russell Breen Scholarship Recipient
- Developed an AI algorithm, in Python, that won an in-class competition

**DEC in Electronics Engineering Technology** Aug. 2009 – May 2012

- Graduated with honors

## WORK EXPERIENCE

**Software Developer** Nov. 2016 – Present

Vigilant – A DRW Company, Montreal, QC

- Implemented several features for various software tools used in trading
- Refactored existing codebases to use more recent frameworks and to optimize performance
- Designed the frontend and backend of a system used for training candidates for a type of trading event

**Software Developer (Institute of Co-operative Education)** Jan. 2015 – Aug. 2015

Société Générale, Montreal, QC

- Implemented, using C#, new features for an application which monitors collaterals given in return for loans
- Responsible for migrating financial reports, from within this application, into SSRS-based reports
- Oversaw development process starting from the conceptualization stage all the way to the deployment into production
- Gave several presentations detailing my experience as a Société Générale software developer

**Software Developer (Institute of Co-operative Education)** Aug. 2013 – Dec. 2013

Ericsson, Montreal, QC

- Responsible for acquiring benchmarking data from OSS networks and arranging it in a viewer-friendly manner
- Developed a Python script to automate data extraction from these networks and write this data directly into Excel, which dropped the time required for this task from 8 hours to 2 hours

**COMPUTER SKILLS** Python, JavaScript, Java, C/C++, C#, MATLAB  
**LANGUAGES** English, French (fluently bilingual)