

## Summary of Qualifications

- Languages/Tools: Java, SQL, Python, C++, JavaScript, Apache Spark, Hadoop
- Experience with: Machine Learning, Statistical Methods, Neural Networks, Data Modelling, OOP
- Team-player and eagerness to learn; taking initiative through side projects/challenges

## Work Experience

### Yahoo! - Software Engineer

Winter 2018

- Implemented Machine Learning model (LSTM) with Python/Keras to classify time series anomalies
- Used PySpark (Apache Spark) to partition and process data on 30+ node HDFS cluster
- Scheduled daily data copy and distributed processing using Apache Oozie
- Surfaced anomalies through Looker with Amazon Redshift as the backend database

### BanaLogic Corporation - Software Developer/Analyst

Summer 2017

- Implemented Automatic Vehicle Recognition (ML) on Production Server in addition to modifying the custom daemon (for multi-axle detection) and web services using C++/PHP
- Created LAMP stack application to manage machine learning training and tune hyper-parameters
- Performed proficient MySQL analysis of Vehicle Recognition performance and created various schemas, stored procedures and functions according to employer specifications

## Projects

### Chemventory

2016

- Developed Java database that is used by a High School Chemistry department to easily manage inventory and keep track of orders
- Implemented dynamic updates over school network and storage in CSV format

### iLCBO

2016

- Website that enables one to search for products, stores and specialties that LCBO offers
- Used Javascript to incorporate both the LCBO and Google Maps API to locate a store, display relevant information about it and save a favourite store

## Achievements

- Dean's Honour List, cumulative GPA: 92.5% 2017 - present
- U.S. Computing Olympiad: Platinum tier 2016

## Interests

- Soccer and Fitness; my favourite team is Bayern Munich and I love to exercise regularly

## Education

- University of Waterloo – Candidate for Bachelor of Software Engineering 2021