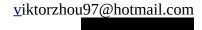
Viktor Zhou



Languages: C, C++, Python, Java, Matlab

Scripting: Bash Shell, Perl

Work Experience

Scotiabank: Global Analytics & Financial Engineering

Toronto, Canada

January 2018

Software Developer (Full Time Contractor)

August 2018

Created a proprietary **Object-Oriented** data structure for trade entries in **Python**:

- Optimize the processing time of <u>over one million trade</u> entries by <u>400%</u> by minimizing Input/ Output to file while considering space, time and security trade-offs
- Used Git for reversion control and Bitbucket for team code review
- Assisted in technical screening of candidates

Developed additional portfolio functionality in C++:

- Added new portfolio function into IBM Algorithms One, an **Object-Oriented** enterprise software used for aggregating trade information
- Implemented Bash Shell scripts to parse live market data for testing
- Automated QA with Perl scripts for daily overnight regression testing
- Composed company-wide memos detailing new portfolio functionality and usage

Education

University of Waterloo (UW) *Bachelor's of Computer Science*

Waterloo, Canada

September 2015

April 2019

Upper year courses:

Computer Networks (CS456), Artificial Intelligence (CS486), Distributed Systems (CS454),
User Interface (CS349), Computational Mathematics (CS371)

Athletics: UW Men's Varsity Rugby (four years)

Awards:

- UW Academic Honour Roll: Student Athlete 2017-2018
- UW Men's Varsity Rugby: Most Improved Player 2017
- UW Athletic Council: Student Athlete Award Fall 2016

Computer Science Tutor for Varsity Athletes:

Fall 2017 & Fall 2018

• Individually tutored varsity athletes enrolled in Object-Oriented Programming (CS246), Algebra (MATH135), Data Structure (CS240)