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# Viktor Zhou

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Languages: C, C++, Python, Java, Matlab  
Scripting: Bash Shell, Perl

## Work Experience

<b>Scotiabank: Global Analytics &amp; Financial Engineering</b>	Toronto, Canada	January 2018
<i>Software Developer (Full Time Contractor)</i>		August 2018

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

- Optimize the processing time of over one million trade entries by 400% 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

<b>University of Waterloo (UW)</b>	Waterloo, Canada	September 2015
<i>Bachelor's of Computer Science</i>		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)