Ivan Lam

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Summary of Qualifications

- C++ (1 year) – proficient
- C# (3 years) – proficient
- Java (4 years) – familiar
- Python (4 years) – familiar
- C (2 years) – familiar
- SQL (1 year) – proficient
- HTML, CSS, and JavaScript (2 years) – familiar
- Bash (1 year) – familiar
- VBA (1 year) – familiar
- Racket (1 year) – familiar
- Linux (1 year) – familiar
- Moderately fluent in Mandarin verbally

Volunteering and Work Experience

Application Integration and Support Analyst *8/5/2016 – 8/26/2016*
Toronto Transit Commission

- Developed web applications in C++ and HTML using Visual Studio environment
- Worked with TFS, as well as MVC design pattern within Visual Studio
- Construction and queries of tables in MySQL and Access databases
- Fixed legacy programs with VBA for Excel programs and Access databases

General Restore Worker *Aug 2014 – Aug 2015*
Habitat for Humanity ReStore Mississauga Ontario

- Cooperatively redesigned store layout to improve sales and user accessibility
- Handled wide range of general tasks, for example: customer support, pricing/repairing items, cleaning, etc.
    - Developed good communication skills with both strangers and co-workers
    - Can react accordingly to unpredictable situations

Education

University of Waterloo *Sep 2016 - present*
Candidate for Bachelor of Computer Science
St. Francis Xavier Secondary School *Sep 2012 - Jun 2016*
Ontario Secondary School Diploma, St. Francis Xavier S.S., Mississauga Ontario, 2016

Related Projects

Personal Website

- https://aquaticbasketweaver.github.io/

Slugs: Culminating Performance Project *Jun 2016*

- Developed a 2D local network multiplayer Side-Scroller using the waterfall project development cycle with C# and Unity
- Created the physics and movement for the character and put together all the components created by group members for the game
- Cooperatively wrote scope documents, documentation, as well as the flow-charts for different components of the game

Student Database: *May 2016*

- Required to create multiple sorting and searching algorithms for a long list of students with accompanying data
- Developed a form of bubble sort and quick sort from ground up using Java and analyzed the efficiency of the algorithms
- Created an O(n) search algorithm for said database

Algorithm Analysis: *May 2016*

- Problem required fitting predetermined blocks into a predetermined space
- Tackled this problem by building two algorithms, one of which stressed efficiency, the other, a brute force algorithm