Ryan Wang

University of Waterloo Software Engineering Candidate

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Skills and Qualifications:

- Proficient with **Java** and knowledgeable with **Object Oriented Programming** from projects
- Working knowledge of **HTML**, **CSS**, **JS**, and **jQuery** self-taught from designing personal website
- Familiar with **C**, **C++**, **VB**, **JavaScript**, and **Git** through personal projects and programming courses
- Experienced with consumer PC hardware from computer assembly and repair

Projects:

Personal Website   Jul. 2015 – Present

- Designed, and implemented personal website from scratch using **Adobe Dreamweaver**
- Gained experience working with **HTML**, **CSS**, **JavaScript**, and **jQuery** to create webpages
- Incorporated **Bootstrap** elements such as a Carousel and Glyphs to enhance layout and appearance

Megaman X   Jun. 2015

- Programmed a version of Megaman by Capcom using **Java**, **Eclipse IDE**, and **Photoshop**
- Used Object Oriented Programming to implement a character, random enemies, and terrain objects
- Implemented file IO, and incorporated searching and sorting algorithms to display a score table

WATWatch   Nov. 2015

- Developed a basic smartwatch using **C**, a microcontroller board, and the Orbit Booster Pack add-on
- Read input from buttons, switches, accelerometer and temperature sensor to display data
- Implemented features such as a step and distance counter, timer, alarm, clock, and stopwatch

WatChewUpTo   Nov. 2015

- Programmed an Android application using **Android Studio** and **Github**
- Designed and implemented a searchable food database that the app would access and display
- Gained exposure to Android app development by coding the UI for the app, using **XML** and **Java**

Education:

University of Waterloo, Bachelor of Software Engineering   Sep. 2015 – Present

Sir William Mulock S.S., Ontario Secondary School Diploma   Sep. 2011 – Jun. 2015

Activities and Interests:

- Classical ARCT pianist who also enjoys Broadway and Film music
- Light reading on computer hardware developments and technological advances
- Modern physics including relativity, quantum mechanics, and string theory
- Reading novels; genres include Sci-Fi, Thriller, Mystery, and Classics