

Ryan Wang

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Skills and Qualifications:

- Proficient with **Java** and knowledgeable with **Object Oriented Programming**
- Working knowledge of **HTML**, **CSS**, **JS**, and **jQuery** self-taught from designing personal website
- Familiar with **C**, **C++**, **VB**, **Git**, **gdb**, and **SQL** 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
- Gained experience working with **HTML**, **CSS**, **JavaScript**, and **jQuery** to create webpages
- Incorporated **Bootstrap** elements such as a Carousel to enhance layout and appearance

Megaman X

Jun. 2015

- Programmed a version of Megaman by Capcom using **Java**, **Eclipse IDE**, and **Adobe 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

- Worked in a group to develop a basic smartwatch using **C** and a microcontroller board
- 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** during Waterloo EngHack
- 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 RCM ARCT pianist who also enjoys Broadway and Film music
- Light reading on computer hardware developments and technological advances
- Modern physics concepts including relativity, quantum mechanics, and string theory
- Reading novels; genres include Sci-Fi, Thriller, Mystery, and Classics