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**Languages:** Java, C, C++, C#, Python, Groovy, VHDL, JavaScript, SQL (Past Familiarity), Ruby (Past Familiarity)

**Tools:** Git, Gradle, Unix, GitHub, Unity Engine, Android Studio, Eclipse, Foundations 6, Junit, PowerMock

**Systems:** Ubuntu, Windows, Arduino, VFPGA

# Projects

### **Online Multiplayer Shooter Game (C#, Unity Engine, Photon Networking)** 2018

* 2D multiplayer game incorperating mechanics from space simulations
* Configured networking so that players can connect to different game servers hosted on the cloud
* Wrote a regression function that predicts the movement of game objects, which is used to reduce lag due to network latency

### **Scheduler (Java, Android Studio)** 2018

* Android app made using Android Studio to help students organize their to-do list and adds them to a calendar
* Implemented features such as sending notifications and selecting different app layout based on user preferences
* Utilized multithreading to separate background tasks such as connecting to the internet from the main thread

# Experience

### **IT Support/Assistant Application Developer** – North Growth Management 2017–2018

* Worked with developers to create software that can generate daily financial reports
* Went to a server farm to install a new server for the company
* Installed software onto new computers and connected them to the company’s server
* Repaired and Upgraded desktops by replacing them with new parts

### **Founder of Coding Club** – Kitsilano Secondary 2017–2018

* Trained a group of students to compete in the annual Canadian Computing Contest
* More than 60% of members achieved distinction in Waterloo’s Computing contest with little to no prior coding experience
* Taught club members how to build applications using Java applet
* Advocate STEM literacy among younger students

### **Co-Founder of a Plants Decorations Startup** – West Coast Roots 2017–2018

* Collaborated with other founding members to create a startup and promote environmentalism
* Hired high school students to promote entrepreneurship endeavors
* Designed the website and configured the domain name
* Worked with the design team to prototype and create decorations

### **Teaching Assistant for C++/Java course** – Kitsilano Secondary 2015–2017

* Created solution keys and assisted students with assignments
* Teaching assistant for Java and C++ courses in high school

# Achievements

### **3rd in UBC Physics Olympics** 2018

* 3rd place out of 722 students in UBC’s annual physics Olympics lab event

### **Distinction in Senior Canadian Computing Competition** 2018

* Distinction in Waterloo’s annual Canadian Computing contest (Senior division)

# Education

### **Candidate for Bachelor of Software Engineering** 2018–2023

* University of Waterloo, Waterloo, Ontario, Canada