





Haydn Keung

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

Tools: Git, Unix, GitHub, Unity Engine, Android Studio, Eclipse, Foundations 6

Systems: Ubuntu, Windows, Arduino, VFPGA

Projects

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

2018

- 2D multiplayer game incorporating 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