





# Haydn Keung

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**Languages:** Java, C, C++, C#, Python, Groovy, VHDL, JavaScript, SQL

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

## Projects

### Online Multiplayer Shooter Game

2018

*C#, Unity Engine, Photon Networking*

- Built 2D multiplayer game incorporating mechanics from space simulations
- Configured networking so players can connect to different servers hosted on the cloud
- Wrote regression to predict the movement of game objects and reduce lag due to network latency

## Experience

### Software Engineer | Madoor International Inc.

2018

*Java, Android, MySQL*

- Worked with RESTful API to create payment system for the Android app
- Co-developed the push notification system for mobile their mobile app
- Wrote unit tests and Gradle scripts to automate them

### DBA Assistant & IT Support | North Growth Management Ltd.

2017 – 2018

*MS SQL*

- Worked with database administrator to connect new computers to a MS SQL database
- Installed and configured a new server in a server farm
- Replaced hard-drives and memories of old desktops

### Founder of Coding Club | Kitsilano Secondary

2017 – 2018

- Lead a team of students to compete in national level computing contests
- 60% of members achieved distinction in Waterloo's Computing Contest
- Taught students how to build Android apps and Java applet applications
- Advocated STEM literacy among young students

### Co-Founder of a Plants Decorations Startup | West Coast Roots

2017 – 2018

- Co-founded startup to promote entrepreneurship endeavors and environmentalism
- Designed and administrated the company website
- Collaborated with product manager to build prototypes
- Lead the marketing team to sell and promote our crafts at an annual art festival

### Teaching Assistant for C++/Java courses | Kitsilano Secondary

2015 – 2017

- Created solution keys and assisted students with coding assignments

## Achievements

### 3<sup>rd</sup> in UBC Physics Olympics

2018

- Obtained 3rd place out of 722 students in UBC's annual physics Olympics lab event

### Distinction in Senior Canadian Computing Competition

2018

- Achieved 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