





# 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

## Experience

**Software Engineer** | Madoor International Inc.

2019

*Java, Android, MySQL*

- Worked with RESTful API to create payment system for the Android app
- Co-developed the push notification system for 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

**Founder of Coding Club** | Kitsilano Secondary

2017 – 2018

*Java, Python*

- 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

*JavaScript, HTHML5*

- 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 computer science courses** | Kitsilano Secondary

2015 – 2017

*C++, Java*

- Created solution keys and assisted students with coding assignments

## 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

## 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