





# Haydn Keung

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

**Tools:** .NET, MySQL, PostgreSQL, Flask, Unity Engine, Android Studio, Gradle, Unix

## Experience

**Software Engineer** | Madoor International Inc.

2019

*Java, Kotlin, Android, MySQL*

- Designed and implemented the Q&A platform between clients
- Worked with RESTful API to create payment system for the Android app
- Co-developed the push notification system for the Android app

**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, HTML 5*

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

## Projects

**Chatting Forum**

2019

*Python, PostgreSQL, Flask*

- Built an online chatting forum using RESTful API
- The biggest challenge for this project was patching SQL and XSS injection attacks

**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