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| Haydn Keung | haydnkeung.me | github.com/haydnkeung |
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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. 2018

*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

### **3rd 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