|  |  |  |
| --- | --- | --- |
| Haydn Keung | haydnkeung.me | github.com/haydnkeung |
| hkeung@uwaterloo.ca | linkedin.com/in/haydnkeung |

**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

### **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