Haydn Keung

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Languages: Java, C++, Python, SQL, C#, C, Kotlin, Groovy, VHDL
Tools: Android Studio, Unity Engine, PostgreSQL, MySQL, .NET, Flask, Gradle, Unix

Experience

Mobile App Developer | Madoor International Inc. May 2019 – Aug 2019
Java, Kotlin, Android, MySQL
· Designed and implemented a Q&A platform between users
· Worked with RESTful API to create payment system for the Android app
· Co-developed the push notification system for the Android app

IT Support | North Growth Management Ltd. May 2018 – Aug 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 Sep 2017 – May 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 Sep 2017 – May 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 Aug 2019
Python, Flask, PostgreSQL
· Built an online chatting forum using RESTful API
· The biggest challenge for this project was patching SQL and XSS injection attacks

Online Multiplayer Shooter Dec 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 Mar 2018
· Obtained 3rd place out of 722 students in UBC's annual physics Olympics lab event

Distinction in Senior Canadian Computing Competition Feb 2018
· Achieved distinction in Waterloo's annual Canadian Computing contest (Senior division)

Education

Candidate for Bachelor of Software Engineering Sep 2018 – Apr 2023
· University of Waterloo, Waterloo, Ontario, Canada