# Haydn Keung

🌐 haydnkeung.me      github.com/haydnkeung
✉ hkeung@uwaterloo.ca   in linkedin.com/in/haydnkeung

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

**Tools:** Git, Gradle, Unix, GitHub, Unity Engine, Android Studio, Eclipse, Foundations 6

## 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

## Experience

**Software Engineer** | Madoor International Inc.                              2017 – 2018

  *Java, Android, MySQL*
  · Worked with RESTful API to update user info in a MySQL database
  · Built several components of the payment system for their Android app
  · Wrote unit tests and Gradle scripts to automatically perform tests

**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
  · Replaced hard-drives and memories of old desktops

**Founder of Coding Club** | Kitsilano Secondary                              2017 – 2018

  · 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

  · 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 C++/Java courses** | Kitsilano Secondary            2015 – 2017

  · Created solution keys and assisted students with coding assignments

## 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