





Haydn Keung

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Languages: C#, Java, C/C++, Python, HTML, CSS

Technology: Unity3D, Android Studio, Foundations 6, Adobe Illustrator, Arduino, Git/GitHub

Projects

Online Multiplayer Space Shooter Game (C#, Unity Engine, Photon Framework) 2018

- Developed a 2D online multiplayer space shooter game using Photon Networking API.
- Objective of the game is to shoot down the other player's space ship, before they shoot yours down.
- Utilized Unity's physics engine to lerp and predict movement of players to reduce lag due to network latency.
- Game is built using OOP to make code clean and easily maintainable.

Scheduler (JAVA, XML, Android Studio) 2018

- Developed an interactive Android app using Android Studio to keep track of a schedule and displays time till next scheduled event to help with time management.
- Incorporated functionalities such as sending notifications when scheduled event is approaching to accommodate for user's needs and preferences.
- UI designed with vector art using Adobe Illustrator and Google's design guidelines.

RSA Encryption Algorithm (C) 2018

- Implementation of RSA encryption using C, which can be used to encrypt messages using a distinct public and private key.

Work Experience & Volunteering

IT Support – North Growth Management 2017, 2018

- Responsible for software and hardware deployment, as well as troubleshooting technical problems.
- Summer job as IT support at Vancouver based investment firm.

Teaching Assistant – Kitsilano Secondary 2015 – 2017

- Created solution keys and assisted students with assignments.
- Teaching assistant for the Java course, and C++ course in high school.

Achievements

UBC Physics Olympics 2018

- 3rd place out of 722 students in UBC's annual physics Olympics lab event.

Canadian Computing Competition 2018

- Distinction in Waterloo Canadian Computing contest (Senior division).

Founder of Coding Club 2017 – 2018

- Founder of coding club to prepare students for competitive coding and advocate STEM to younger students.
- As a result, more than 80% of members achieved distinction in the Waterloo computing contest.

National Public Speaking Contest 2015 – 2018

- Solid communication developed through competing in the national French public speaking contest (concours d'art oratoire) 4 times.

Education

Candidate for Bachelor of Software Engineering 2018 – Present

- University of Waterloo, Waterloo, Ontario, Canada