Haydn Keung

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Skills and Knowledge

· Programming Languages: **Java, C, C++, C#**, Html
· Technology: Android Studio, **Unity3D**, Foundations 6, Adobe Illustrator, **Git**
· Leadership experience gained through starting a coding club to prepare peers for competitive coding (80% of members achieved distinction with no prior expierience), and co-VP of Junior Achievement club in high school.
· Solid communication developed through competing in the national French public speaking contest (concours d'art oratoire) 4 times.

Projects

REAL-TIME MULTIPLAYER SPACE SHOOTER GAME (C#, UNITY ENGINE, PHOTON FRAMEWORK)

· Learned basic Photon Networking API through developing a 2D real time multiplayer space shooter game.

· Built with Unity Engine and Photon Networking framework in C#.

TETRIS (C#, UNITY ENGINE, OBJECT-ORIENTED DESIGN PRINCIPLES)

· Developed **solid Object-Oriented design principles** through re-making the all-time classic game–Tetris.

· Built with Unity Engine using C#.

GAME CONTROLLER (C++, C#, UNITY ENGINE, ARDUINO)

· Physical game controller to interact with a car simulation made with Unity.

· Controller made using Arduino and C++. Game Made using Unity3D (C#).

RSA ENCRYPTION ALGORITHM (C)

· Implementation of RSA encryption using C.

PERSONAL WEBSITE (FOUNDATION 6, HTML, CSS, JS)

· Website to showcase my projects and introduce myself. Website: "http://haydnkeung.me"

Work Experience & Volunteering

NORTH GROWTH MANAGEMENT   (SUMMER 2017, SUMMER 2018)
· Summer job as IT support at Vancouver based investment firm.
· Responsible for software and hardware deployment, as well as troubleshooting technical problems.

VANCOUVER PARK BOARD   (OCT 2013- 2017)
· Event host for holiday events for four years.

Academics

CANDIDATE FOR BACHELOR OF SOFTWARE ENGIENERING   (SEP 2018-PRESENT)
· University of Waterloo, Waterloo, Ontario, Canada

BILLINGUAL DOGWOOD DIPLOMA   (SEP 2014 - JUN 2018)
· Graduated with an honors bilingual French/English diploma.

Achievements

SCHOLARSHIP   (JUN 2018)
· Recipient of University of Waterloo entrance scholarship (President's Scholarship with Distinction).
· Recipient of BC District Authority Scholarship.

UBC PHYSICS OLYMPICS   (MAR 2018)
· **Third place** in UBC's annual physics Olympics lab event. Open to all students in BC.

CANADIAN COMPUTING COMPETITION   (FEB 2018)
· Distinction in Canadian Computing contest (Senior division, formerly Canadian Computing Olympiad stage 1)