Hanen Ngai

2A Computer Engineering | h3ngai@uwaterloo.ca | github.com/hanenngai | 647 854 4954 | linkedin.com/hanenngai

Skills

· Experience in C++, Java, HTML/CSS, Git, and VHDL
· Proficient in Microsoft Office (Excel, Word, PowerPoint, Publisher, Outlook)

Key Projects

ANDROID SOUNDBOARD APP   **2020**
· Gained app development experience from creating an android app in **Java** using Android Studio
· Self-motivated project from own curiosity and interest

RC4 ENCRYPTION   **2019**
· Developed **C++** coding experience by creating a program with the RC4 encryption standard, allowing for string encrypt/ decryption
· Developed debugging skills from removing the many bugs encountered during the creation of the program

SOLITAIRE   **2019**
· Programmed solitaire in **Turing**, using **object-oriented programming** to implement a deck of cards
· Developed problem solving, teamwork and communication skills through working with a partner to identify and fix problems in a time sensitive manner

Experience

CAMP COUNSELLOR | CITY OF MARKHAM   **JUNE – AUGUST 2019**
· Responsible for the safety of children. Designed and scheduled daily activities and operations
· Wrote detailed formal reports involving incidents, site checks, and injuries for permanent record
· Developed problem solving skills under high pressure situations through resolving time sensitive conflicts under the public's eye
· Communicated with parents and children directly for customer satisfaction
· Learned how to communicate effectively with many different people and personalities

ROBOTICS CLUB | MARKVILLE SECONDARY SCHOOL   **2018 - 2019**
· Worked in teams of 7 to create racing and sumo wrestling robots to compete with others
· Focused on programming using C++ with Arduino

Education

UNIVERSITY OF WATERLOO   **2019 - PRESENT**
· Candidate for Bachelor of Applied Sciences, 1B Computer Engineering