

Hanen Ngai

2B Computer Engineering | h3ngai@uwaterloo.ca | 647 854 4954

github.com/hanenngai | hanenngai.github.io/website/ | linkedin.com/hanenngai

Education

UNIVERSITY OF WATERLOO

2019 - PRESENT

- Candidate for Bachelor of Applied Sciences, 2B Computer Engineering

Skills

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

Projects

PASTER PROGRAM

- Created a program in C to download strips of PNGs from a server and concatenate to a single PNG.
- Utilized the cURL library to connect and receive data from a server.
- Multithread implementation: User can input the amount of threads used for execution.

ANDROID SOUNDBOARD APP

- Developed a soundboard app on Android with Android Studio using Java.
- Self-motivated project from own curiosity and interest

SOLITAIRE

- Programmed the card game Solitaire by using object-oriented programming written in Java.
- 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