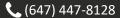
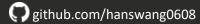
# Hans Wang









# Skills

- Proficiency in Java to create responsive apps and software.
- Experience with using C++ for controlling Arduinos to accomplish certain tasks.
- Working knowledge of Python and Assembly.
- Prototyping and producing PCBs from schematics.

# **Projects**

# Android App WaterTools (Published)

Jan 2020

- Developed mobile app in a team with Android Studio in Java, demonstrating capability in a teamwork environment from project planning and Git version control.
- Improved student experience by streamlining access to academic sites with a collection of Android WebView components with a user-friendly UI.

# Java Game "Polygonal Run"

Jan 2019

- Implemented Java OOP to create a game, achieving expandability for future development.
- Gained experience in debugging and performance optimization.

## **Arduino Joystick-Controlled Crane**

May 2018

- Programmed C++ code for Arduino Uno that controls a crane to stack blocks 25% faster than class average.
- Co-ordinated responsibilities within team to maximize productivity.

## **Knight Rider PCB**

Nov 2018 – Jan 2019

Produced PCB from scratch, learning schematic design, prototyping, circuit testing, and soldering.

# **Experience**

## **Imanicel Organization Paid Math Tutor**

Mar 2019

- Effectively communicated geometry and arithmetic concepts to students one-on-one improving their mathematical literacy.
- Took initiative to create a Java math game increasing student focus.

## **City of Markham Summer Camp Volunteer**

Aug 2016 - July 2018

- Facilitated weeklong camp events every summer for 3 years
- Directed activities without prior notice, demonstrating adaptability.

#### **Markham Foodbank Volunteer**

Apr 2017 – Oct 2017

- Established roles to maximize efficiency at record high busy hours to successfully meet the needs of all recipients.
- Communicated effectively with coworkers to coordinate different duties.

# **Education**

#### **University of Waterloo**

Sep 2019 - Present

Bachelor of Applied Science in Computer Engineering

## **Markville Secondary School**

Sep 2015 - Jun 2019

Ontario Secondary School Diploma