

Hans Wang

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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