

Jason Wang

Toronto, Canada · 416-918-5560 · Computer Engineering Student

I am a highly organized, hard-working, and detailed oriented student seeking an entry position in software development. I am a quick learner and an overachiever working hard to exceed expectations. I have strong interpersonal skills and can work well in a team setting.

jasonhy.wang01@gmail.com · www.jasonhywang.com · www.linkedin.com/in/jason-wang-haoyu-745412142/

Skills

Language: Java, C++, C, HTML, CSS, JavaScript, MatLab

Tools/Frameworks: OpenCV, React Native, AWS, Git, GitLab, Linux, FPGA

Education

University of Toronto

Computer Engineering (Sept 2019 - May 2023)

- Pursuing a Bachelor of **Computer Engineering** with an **Artificial Intelligence Minor** and **Engineering Business Certificate**
- Attained academic award - **Dean's Honor List**
- Relevant Courses: **Introduction to Programming(C)**, **Objected Oriented Programming(C++)**, **Assembly**, **Computer Organization**, **Data Structures**, **Calculus/Engineering Mathematics**

Work Experience

Mann Lab - Software Intern / Research Assistant (Jan 2020 - Sept 2020)

- Worked with the founder of HDR Steve Mann to develop a semi-autonomous brain-controlled wheelchair.
- Controlled data collection through Muse headband, using electroencephalogram waves.
- Utilized **ReactNative** and **Javascript** to create the back end of the app that can be used for control as well.
- Used OpenCV for collision detection. **Decreased collision rate by 20%, Increased algorithm efficiency by 25%.**

Real Estate Sales Representative - Search Realty

- Delivered high-quality customer-service to help my clients purchase, rent, or sell properties.
- **Increased lead generation closing rate by 25%** while maintaining company professionalism.
- Pioneered a sales strategy directed toward young agents, **increasing call back rates by 40%.**

Extra-Curricular Experience

University of Toronto Aerospace Team - Software Development Team

- Using the computer vision library to intelligently stitch together many photos and generate a single large map of the area when flying over and taking snapshots with a drone.
- **Increased accuracy of algorithm by 40% and increased map generation speed by 60%.**

Projects

Life of Life - Java

A recreation of the board game – Game of Life, allows for online multiplayer using **computer networking** and incorporating an in-game chat. The program is structured using **object-oriented programming** and custom graphics.

Physics Question Taker - Java

Created a practice quiz software that auto generates unlimited practice questions and records user progress for feedback. Utilized **linked lists**, **priority queue**, **binary search tree**, **JFrames**, and **GitData**.

Myst - Arduino - ELECTRIC CITY HACKS 2018

Created a smart humidifier that can automatically control moisture in a certain area. Used **Arduino** for the hardware, with the sensors required to make the product work. We used **JavaScript** for the website along with **HTML**. Used **C++** for the Arduino software.

Flood Alert Box - Engineering Design Project

Led an engineering design team to try to solve the problem of low community participation during the Toronto Islands floods. The team went through the **steps of design** and **proposed a final solution** of a household alert box with a working prototype.