

# 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 keep a growth mindset and am open to learning new technology/frameworks. I have strong interpersonal skills and can work well in a team setting.*

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## Skills

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

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

## Education

### University of Toronto

#### Computer Engineering

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

## Projects

### Mann Lab - Software Intern

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

### 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.

### Floor Alert Box - Engineering Design Project

Lead 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.

## 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%**.

### Real Estate Sales Representative - Search Realty

Help my clients purchase, rent, or sell properties. Consistently reaching out to people looking to get involved with real estate and offering them the best customer service experience possible. Improves my **interpersonal**, **teamwork**, and **communication** skills.

## Accomplishments

- **TD (Toronto Bank) Sponsorships**
  - Won award for the MYST project
- **Canadian Computing Competition**
  - Award of distinction
- **University of Toronto Dean's Honour List**
  - Recipient of the academic award
- **Canadian Open Math Challenge**
  - Award of distinction