

Jeff Ma

2B Computer Engineering

 (647) 916-8295

 jeff.ma@uwaterloo.ca

 devpost.com/jmawloo

 linkedin.com/in/jma-wloo

 github.com/jmawloo

 jmawloo.github.io

	Coding Languages	Software Tools / Frameworks
Proficient in	HTML, CSS, JS, PHP, SQL	React, Git, Laravel
Experience in	SASS, Typescript, Python, Swift, C, C++, Java, MATLAB	Material UI, jQuery, Bootstrap, JIRA, Jenkins, Bash, PostgreSQL, SQLite, Pandas, Scikit-learn, ROS, Arduino

JOB EXPERIENCE

Web Developer (Full Stack)

May 2020—September 2020

Horizon Studios Inc.

- **Built an embedded form for providing feedback** to course demos using **React**, **Laravel** and **MySQL**, and used **SASS** and **Material UI** for responsive design and easy accessibility
- **Resolved 100s of diverse JIRA sprint tickets**, with tickets ranging from quality bug fixes such as UI refactoring to feature enhancements such as better report generation with SQL, resulting in an improved user experience
- Documented code and wrote Confluence wikis, and **created lessons on standard development processes** using slides and videos to **reduce onboarding time for future developers**

Full Stack Developer and I.T. Support

September 2019 – December 2019

Environment and Climate Change Canada — Downsview

- Designed a **full stack automated CSV formatter** (HTML, CSS, JS, jQuery, Bootstrap, PHP, PostgreSQL), reducing human errors and improving formatting efficiency by 90%
- **Refactored a previous website** using **Bootstrap** to add responsiveness and **jQuery** to integrate **asynchronous** server requests, **improving the coding structure and website UI**

iOS Mobile Developer

January 2019 – April 2019

Startup Inc.

- Developed an **iOS mobile application** prototype using **XCode** and **Swift** to demonstrate the feasibility of an integrated system allowing owners to register appliances and manage which users use them
- Designed code using the **model view controller (MVC)** principle to ensure good design clarity and structure, using **SQLite** as the data model and using **Postman** and **JSON** to communicate with the server API

PROJECTS

Web Developer — Waterloop

January 2020—August 2020

- Developed front-end marketing website using **React** and **TypeScript**, and designed minimalistic pages with **Figma**
- Designed **responsive components**, providing others with assets to assemble web pages more conveniently

HackTheNorth (CloudPickup) — University of Waterloo

September 2018

- Designed AI for a virtual robot using an unsupervised **Machine Learning** model through **Python's Scikit-learn**, demonstrating the automation of litter collection to reduce carbon footprints on the environment

Python Workshop — Ryerson University

April 2018 – May 2018

- Created a program to **process and extract** the tone of tweets with **Python's Natural Language Toolkit Library**

Arduino Workshop — Ryerson University

April 2018 – May 2018

- Constructed an **Arduino** mini car using an **accelerometer**, **servo motors**, and an **Internet of Things (IoT)** interface chip as the car's remote control

EDUCATION

University of Waterloo—Computer Engineering

Candidate for Bachelor of Applied Science

CGPA: **89.15/100 (Dean's List for All Terms)**

September 2018 – April 2023

Ryerson University—Computer Engineering

Candidate for Bachelor of Engineering

CGPA: **4.27/4.33 (Dean's List for All Terms)**

September 2017 – April 2018