

Edward Zhuang

SOFTWARE ENGINEER

☎ (647) 787-4007 | ✉ zhuange@mcmaster.ca | 📺 /edwardzhuang2001 | 🌐 /edwardzhuang2001

Education

McMaster University

Hamilton, ON

B.ENG. IN SOFTWARE ENGINEERING

Sep. 2019 - Apr. 2023

- GPA: 3.9/4.0 (Dean's Honour List)
- Relevant courses:
 - **Data Structures and Algorithms**: Analysis of algorithms, running times, fundamental searching/sorting algorithms, fundamental data structures
 - **Introduction to Software Development (Git)**: Software development life cycle, interface specification, documentation, software modularization, code reviewing and testing
 - **Software Development Skills (Bash)**: Unix and shell programming, makefiles, version control, assembly language

Skills

Languages & Frameworks Java, Python, JavaScript, HTML, CSS, Bootstrap, Bash, Assembly language, MATLAB, R
Software & Technologies Git, Linux, Android Studio, Microsoft Excel, Latex, Autodesk Inventor

Projects

Bench Spot

Hack Western 7

ANDROID APP

Nov. 2020

- Developed the backend in **Java** and parsed together data in a navigation app based in Toronto to show a user nearby benches, public washrooms, garbage and recycling bins, etc.
- Used **Google Maps API** and data from City of Toronto Open Data Set in **Android Studio** to create the app

Course Rating Website

UofTHacks VII

WEBSITE

Jan. 2020

- Developed the front-end of a university course rating website using **HTML**, **CSS**, and **JavaScript**, and gained skills in working with **Bootstrap** to create responsive websites

Functional Orthotic Writing Device

McMaster University

PROTOTYPE

Sep. 2020 - Dec. 2020

- Worked closely with a client to learn design specifications for a functional orthotic writing device to allow for comfortable and legible writing
- Applied iteration and feedback design concepts to construct multiple prototypes with **Autodesk Inventor** to create final product

GitHub Commit Frequency Analyzer

MLH Local Hack Day

WEB APP

Dec. 2018

- Developed a program which processes the commits vs. time data of a given GitHub repository using **Python** and the **GitHub API** to produce the resulting intensity vs. frequency graph of that data using **Dash**
- Won 3rd Place Overall and Best Use of the GitHub API

Experience

Computer Chapter Member

McMaster University

IEEE MCMaster Student Branch

Nov. 2020 - Present

- Creating and implementing a Tetris game in **JavaScript**
- Planning a workshop in Mar. 2021 to demonstrate and teach students how to program their own games in **JavaScript**