JEFFREY WANG

➤ wangw115@mcmaster.ca | 🕻 (647) 628-2588

GitHub: jeff-rey-wang | LinkedIn: /in/wangw115 | Devpost: /jwjeff200 | Website: jeff-rey-wang.github.io

S EDUCATION

Software Engineering Co-op (B. Eng)

McMaster University, Hamilton, ON

Sep 2018 — Apr 2022

- **Cumulative GPA:** 11 on 12-pt scale (3.9 on 4-pt scale)
- Golden Key International Award, for having GPA in the top 15% of McMaster's Software Engineering program
- Relevant Courses:
 - Data Structure and Algorithms
 - Databases
 - o Discrete Math

- Intro to Software Development
- o Software Design
- o Principles of Programming

Richmond Hill, ON

Sep 2014 — Jun 2018

Richmond Green Secondary School

- Ontario Secondary School Diploma with Honour Roll
- Winner of Award for School Culture
- **President** of Student Council

SKILLS SUMMARY

- Programming language proficiency with a working knowledge of Java, Python, HTML/CSS, JavaScript, C, C#, Bash, MATLAB
- Experience using tools and technologies such as **GitHub**, **LaTeX**, **Doxygen**, **Bootstrap**, Autodesk Inventor, Quartus
- Organized and learns quickly, with excellent problem-solving skills and ability to work in collaborative, team-based settings

ROJECT EXPERIENCE

Gear Train Prosthetic

3D Printing, CAD

Jan 2019 — Apr 2019 • Designed and 3D-printed prosthetic hand using CAD, capable of picking up items using index finger

- Successfully created a model with spur gears, and designed prototype gear mechanism to spin forefinger and index finger gears at desired output speed
- Created technical report for the design process, including several formal tables and diagrams to communicate prototype performance and correctness

University Restaurant Directory App (UniversitEats)

Android Studio, Java

• Designed and implemented application that uses Yelp's restaurant database to aid university students in deciding where to eat

Jan 2020 — Apr 2020

- Specialized in algorithm design which outputs restaurants with respect to user preferences such as cost, distance and cuisine type
- Created formal reports, outlining the design process and the dependencies of the app, including a software requirements specifications and software design description to communicate the application's functionality and correctness

Smart Trash-can (TrashCode)

React.js, TensorFlow, Node.js, Arduino, MongoDB

Built smart trash-can at DeltaHacks 2020 in 24 hrs to categorize trash with machine-learning

lan 2020

- Won ArcelorMittal Dofasco's "most innovative use of machine learning/Al" runner-up price and Domain.com's "best domain" prize out of 700 participants
- Programmed Arduino to change state based on output of the machine-learning component, mimicking real-word a trash-can lid
- Scheduled to present a polished prototype to a **board of executives** at ArcelorMittal Dofasco

Personal Portfolio Website

HTML, CSS, JavaScript, Bootstrap

• Built fully responsive, personal portfolio website to present skills, past projects, and personal info using **Bootstrap**; deployed using GitHub Pages

Aug 2020

Wrote clean, well-commented code, to create a customized, professional, modern design, and improved troubleshooting and debugging skills

EMPLOYMENT HISTORY

Barista, Starbucks Canada

Richmond Hill, ON Jul 2019 — Oct 2019

• Performed safe food and beverage **preparation**, and **distribution**

- Provided high quality **customer service** in **fast-paced** operations
- Resolved customer complaints with a high degree of professionalism