JEFFREY WANG

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🎓 EDUCATION

Software Engineering Co-op (B. Eng)   McMaster Univiersity, 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
  - Discrete Math
  - Intro to Software Development
  - Software Design
  - Principles of Programming

Richmond Green Secondary School   Richmond Hill, ON
Sep 2014 — Jun 2018

- 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

⚙️ PROJECT 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 and thumb
- 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
Jan 2020 — Apr 2020

- **Designed and implemented** application that uses Yelp's restaurant database to aid university students in deciding where to eat
- 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
Jan 2020

- Built smart trash-can at **DeltaHacks 2020** in 24 hrs to categorize trash with **machine-learning**
- Won ArcelorMittal Dofasco's "**most innovative use of machine learning/AI**" 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
Aug 2020

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