JEFFREY WANG

✉ wangw115@mcmaster.ca | 📞 (647) 628-2588

GitHub: jeff-rey-wang | **LinkedIn**: /in/wangw115 | **Devpost**: /jwjeff200

🎓 EDUCATION

Software Engineering Co-op (B. Eng)
McMaster Univiersity, Hamilton, ON
2018 — 2022

- Cumulative GPA: 11 on 12-pt scale (3.9 on 4-pt scale)
- Relevant Courses:
  - Discrete Mathematics
  - Data Structures and Algorithms
  - Principles of Programming
  - Introduction to Software Development

Richmond Green Secondary School
Richmond Hill, ON
2014 — 2018

- Ontario Secondary School Diploma with Honour Roll
- Winner of Award for School Culture

📊 SKILLS SUMMARY

- Programming language proficiency with a working knowledge of **MATLAB, C, C#, Java, JavaScript, & Python**
- Experience using technologies such as **GitHub**, LaTeX, Autodesk Inventor, Quartus, Bash/Shell
- 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 documents 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

💼 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

📊 RELEVANT EXPERIENCE

President, Student Council
Richmond Green Secondary School
Sep 2017 — Jun 2018

- Planned school-wide events and advocated for the well-being of the student body
- Collaborated with school administration to communicate concerns of the student body
- Updated parents committee on student council activities during monthly meetings
- Gave speeches to school-wide audiences regarding school board-related news