

Calvin Suen

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|  galvin

| Toronto, ON

Projects

MangaMark (Google Chrome Extension)

December 2020

- created and published a JavaScript-based manga bookmarking extension to the Chrome Web Store which automatically bookmarks the most recently read chapter of a manga or comic on compatible sites and allows for the sorting and deletion of bookmarks

Future Gadget Lab (Discord Bot)

October 2020

- programmed a Python Discord bot with features which include playing hangman or blackjack, using image filters, voice channel commands, returning Google search results, setting reminders, creating custom images with user avatars, text-on-image commands, and more

Raspberry Pi Workshops (McMaster IEEE Student Branch)

March 2020

- helped plan and develop McMaster IEEE's Beginner and Advanced Raspberry Pi workshops which included programming a Raspberry Pi car using Python to autonomously maneuver around a track using images taken from its camera for lane detection

Community Watch App (Hack the Valley IV)

February 2020

- worked on a mobile application at a hackathon which would allow a municipal government to inform residents of local events, including issuing warnings notifications if an emergency or hazardous situation has occurred within an area
- programmed in Java and created using Android Studio with the use of mapping and geolocation APIs

Education

MCMASTER UNIVERSITY

Hamilton, ON

Bachelor of Engineering – Mechatronics Engineering (CO-OP)

September 2019 – Present

- McMaster President's Award
- Dean's Honour List

RELEVANT COURSES

- Programming for Mechatronics [C, C++, ARM Assembly] (Grade Earned: A+)
- Engineering Computation [Python] (Grade Earned: A+)
- Data Structures, Algorithms, and Language Concepts for Mechatronics (In Progress)

Skills

Programming Languages: Python, C, C++, Java, HTML, CSS, JavaScript, SQL, LUA, MATLAB, R

Software/Libraries: jQuery, TensorFlow, LOVE, Android Studio, R Studio, Microsoft Excel, Autodesk Inventor

Extracurricular Activities

McMaster EcoCAR Electrical Propulsion Systems Team Member

McMaster IEEE Student Branch

- Computer Chapter Vice-Chair (Elected for Fall 2020 – Winter 2021)
- PCB Milling and Reflow Committee Member

Employment History

MCMASTER UNIVERSITY

Hamilton, ON

Linear Algebra Teaching Assistant (MATH 1ZC3)

Jan 2021 - Apr 2021 (present)

- holding office hours and assisting students with MATLAB lab assignments related to course content

LOBLAW COMPANIES LIMITED

Richmond Hill, ON

Click and Collect / PC Express Associate

Aug 2017 - Jul 2019 (2 years)

- received an award for outstanding customer service and work entailed strong communication and teamwork

PARAMOUNT IMMIGRATION & NATURALIZATION CONSULTING FIRM

Scarborough, ON

Office Assistant / Data Entry Clerk

Feb 2017 - Jun 2017 (5 months)