Calvin Suen

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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, LÖVE, 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)*