JARVIS J. WANG

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EDUCATION

MCMASTER UNIVERSITY
Bachelor of Computer Engineering Co-op
2017 – 2022 (Expected)
Dean's Honour List

SKILLS

Languages
Python, Java, C/C++, Swift, JavaScript, HTML, CSS, LaTeX

Tools/Frameworks
Node.js, Express.js, Angular.js, React.js, MySQL, MongoDB, Git, Bash, AWS, OpenCV

Hardware
Arduino, Raspberry Pi, Linux

Graphic Design
Photoshop, AutoCAD, Autodesk Inventor

AWARDS

Dean's Honour List
May 2018

McMaster IMPACT Project
Dec 2017
Top 3 among 1st year engineering students

RoboCup Junior
Apr 2015
Second Prize in Rescue Maze Group

LANGUAGES

• English
• Mandarin

WORK EXPERIENCE

McMaster University, Faculty of Health Sciences | Application Developer
Hamilton, Canada   May 2018 – Aug 2018
• Developed a web application to facilitate more efficient generation of clinical simulation scenarios used to train health care providers, aiming to decrease the generation time by 50%, built with Node.js, Express, MongoDB, and Bootstrap
• Migrated the application and existing simulation data from internal data center to AWS

MacBridge Academy | Mathematics & Physics Tutor
Hamilton, Canada   Jan 2018 – May 2018
• Mentored students from grade 4 - 12 by enhancing their math and physics skills

Wingtech Technology | Embedded Software Engineer Intern
Shanghai, China   July 2017 – Aug 2017
• Researched, designed and implemented scalable applications of VR headset
• Responsible for software requirement analysis and testing for setup of RTOS on the headset

PROJECTS

Driver Attention Alert System at Dev Challenge
• Developed an alert system to detect drowsy driving when CAV and ACC tech is enabled through eye-tracking with dual camera as well as multiple linear pressure sensors and vibration motors integrated on a steering wheel. Built on Raspberry Pi and Arduino with OpenCV and machine learning.

Music'o at Hack the Valley II
• Worked in a team of 4 to develop a web application called Music'o, which aimed at helping people relax their mind, mood and body by playing music according to the weather in current city (via Yahoo weather API, geolocation API and Spotify API)

Rescue Robot at RoboCup Junior 2015
• Worked in a team to build an Arduino robot identifies victims within re-created disaster scenarios, varying in complexity from line-following on a flat surface to negotiating paths through obstacles on uneven terrain

VOLUNTEER & EXTRACURRICULAR ACTIVITIES

McMaster Sumobot Club | President
Hamilton, Canada   April 2018 – Present
• Coordinate executive team, organize the club activities and communicate with school departments

First Robotics at McMaster | Set-up and Information
Hamilton, Canada   April 2018
• Set up, promote social in the pits and stands, direct people from DBAC to the Hall, and socialize with students.

REFERENCES AVAILABLE UPON REQUEST