

JOHN WU



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john-wu.me

EDUCATION

BACHELOR OF ENGINEERING - MCGILL UNIVERSITY

Computer Engineering - Montreal, QC.

Sept 2014 - Present

Expected Graduation - May 2019

EXPERIENCE

SOFTWARE ENGINEERING INTERN (FLICKFIT - TOKYO, JAPAN)

May 2017 - Aug 2017

- + Research and developed an algorithm in Python/C++ which uses computer vision techniques to convert a video scan of an object to a 3D model reconstruction of it.
- + Designed a Swift iOS application which integrates the reconstruction algorithm through a Node.js server utilizing Amazon Web Services that include S3, Elastic Beanstalk, and SQS.

SOFTWARE DEVELOPER INTERN (MXI TECHNOLOGIES - OTTAWA, CANADA)

May 2016 - Dec 2016

- + Worked on the Custom Software and Integrations team to implement custom patches to a core maintenance planning system web app for Southwest Airlines in an agile working environment.
- + Designed new REST APIs using Java to access a SQL database hosted on an Oracle Server.
- + Integrated changes to the user interface using Javascript frameworks (React and Angular).
- + Created both unit and end-to-end tests to ensure fast and frequent releases to the client.

ORGANIZATIONS

MCGILL ARTIFICIAL INTELLIGENCE SOCIETY - VP EXTERNAL

Jun 2017 - Present

- + An organization at McGill University which aims to learn, practice, and share knowledge of the invigorating field of artificial intelligence to those in the McGill community and Montreal area.
- + Managing and collaborating with a sub team to develop strategies for creating partnerships with external organizations and acquiring monetary sponsorship from various sized companies.
- + Emailing and scheduling regular meetings to negotiate agreements with potential clients.

CANSBRIDGE FELLOWSHIP - 2017 COHORT

Jan 2017 - Present

- + A global community of entrepreneurs, innovators, and risk takers who support each other in developing new and existing ventures both personally and professionally.
- + Attended a week-long conference in the silicon valley to network with industry professionals while touring companies and preparing a mock startup pitch to present to investors.
- + Took part in a summer internship abroad in Asia to gain exposure to a growing economy.
- + Accepted into the program by being selected as 1 of 15 students from across Canada to be part of the 2017 fellowship class for demonstrating the programs core values. Acceptance rate - 5%.

PROJECTS

LEBOT JAMES - AUTONOMOUS ROBOT

Class Competition Winner

- + Robot which autonomously performs navigation, odometry, obstacle avoidance, ball retrieval, shooting, and blocking while playing Ton1 basketball against other robots in a tournament.
- + Developed in Java using the EV3 microcontroller along with various sensors and hardware parts.

YUZE KIOSK - WEB APPLICATION

Waterloo Hackathon

- + Restaurant ordering kiosk which uses its camera to perform facial recognition through a trained data set and recommend the usual order to any returning customers.
- + Developed using MongoDB, Express, Node.js, Angular 2, and Microsoft Cognitive Services.

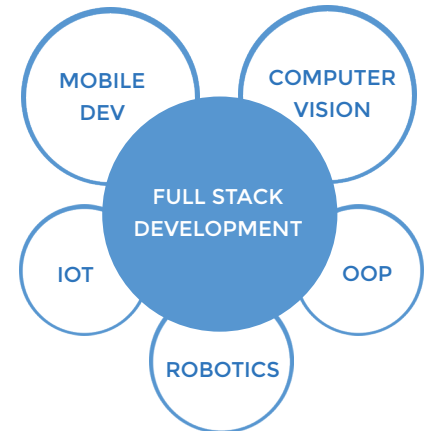
UNI.ON - IOS APPLICATION

Side Project

- + A social networking app which allows university students to plan nights out with friends by browsing through a list of events and allowing users to see when others have arrived at a location.
- + Developed using Swift and Amazon Web Services that include S3, RDS, Beanstalk, and SNS.

SKILLS

OVERVIEW



PROGRAMMING

Java · JavaScript · HTML



C++ · Swift · Python



C · SQL · Bash



TOOLS AND TECHNOLOGY

