JOHN WU

PASSIONATE FOR ENGINEERING - ASPIRING TO BE AN ENTREPRENEUR

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EDUCATION

BACHELOR OF ENGINEERING - MCGILL UNIVERSITY   **Sept 2014 - Present**
Computer Engineering - Montreal, QC.   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 an end-to-end 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 local 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

UNI.ON - IOS APPLICATION   **Former Startup Prototype**
+ 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 Cognito, DynamoDB, and SNS.

MOVR TELEPRESENCE ROBOT - ANDROID APPLICATION   **Concordia Hackathon**
+ Mobile video chat application which allows users to control a telepresence robot over WiFi.
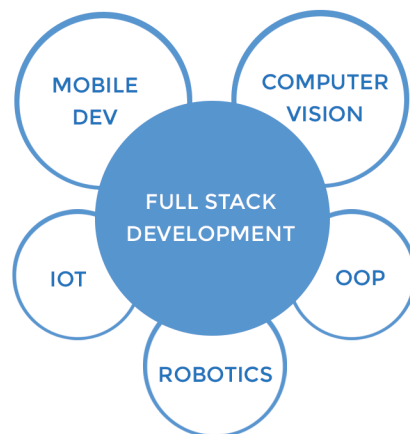+ Developed using Java, Node.js, Intel Edison microcontroller, and web socket libraries.

MTL MURAL - ANDROID APPLICATION   **McGill Hackathon Finalist**
+ Mobile application which populates a map with all the murals in the city of Montreal including information about each one, allowing users to find and explore various art in the city.
+ Developed using Java and information retrieved from the Montreal open data website.

SKILLS

OVERVIEW

PROGRAMMING

Java · JavaScript · HTML

C++ · Swift · Python

C · SQL · Bash

TOOLS AND TECHNOLOGY