John Wu

Member of the Cansbridge Fellowship - a selected community of top students from across Canada who have an entrepreneurial mindset, will help each other realize their potential, and support each other to accelerate their growth to becoming the leaders of tomorrow.

🎓 EDUCATION

COMPUTER ENGINEERING - MCGILL UNIVERSITY
SEPTEMPER 2014 TO PRESENT

💼 WORK EXPERIENCES

SOFTWARE ENGINEERING INTERN - FLICKFIT (TOKYO, JAPAN)
MAY 2017 TO PRESENT

Developed a Python algorithm to generate a 3D model of an object from a video recording using computer vision processing. Integrated this algorithm to a Swift iOS application through a Node.js server. Currently working on improving the algorithm and using it to create a full mobile app which allows users to generate data about their feet in order to use for online shoe shopping. (Individual Project)

SOFTWARE DEVELOPER COOP - MXI TECHNOLOGIES (OTTAWA, ON)
MAY 2016 TO DECEMBER 2016

Worked on the Custom Software & Integrations team to implement custom patches to a core airline maintenance planning system for Southwest Airlines. Designed new REST API's using Java/SQL with JAX-RS. Developed Oracle Pub/Sub frameworks to trigger system events. Packaged software for bi-weekly releases to client - part of the agile process.

CO PRESIDENT - DECA MCGILL (MONTREAL, QC)
MAY 2015 TO DECEMBER 2016

An organization which promotes professional development skills through case competitions, delegate training, and workshops. Improved the branding of the club by creating a new logo. Redeveloped the webapp using a Sails.js framework stack. Designed graphics for events and delegate packages. Restructured the executive team to limit hierarchy and promote collaboration. Previously VP Communications.

CO PRESIDENT - MCGILL ENGINEERING JUNIOR COUNCIL (MONTREAL, QC)
SEPTEMBER 2014 TO MAY 2016

Student committee under the McGill Engineering Society aimed towards organizing events for freshmen students. Recruited, managed, and mentored an executive team of upcoming first year engineering leaders. Organized both social and academic events including McGill's first annual engineering leadership conference . Previously VP Events.

📁 PROJECTS

UNI.ON IOS APPLICATION
A social networking application developed using Swift which aims to improve the nightlife experience of university students. Allows users to plan nights out with friends by browsing through a list of current events through an AWS backend. As an alternative, users can also explore the list of events on an interactive map.

TELEPRESENCE ROBOT APPLICATION - CONCORDIA HACKATHON
Made a mobile video chat application with functions to control a telepresence robot over WiFi. Robot commands were implemented using an Intel Edison microcontroller, hosted on a Node server, and called through web sockets. Video chat was made using Android Studio.

MTL MURAL - MCGILL HACKATHON FINALIST
MTL Mural is an android application which populates every mural in the city of Montreal onto a map, giving information about each one, allowing users to explore the city art.
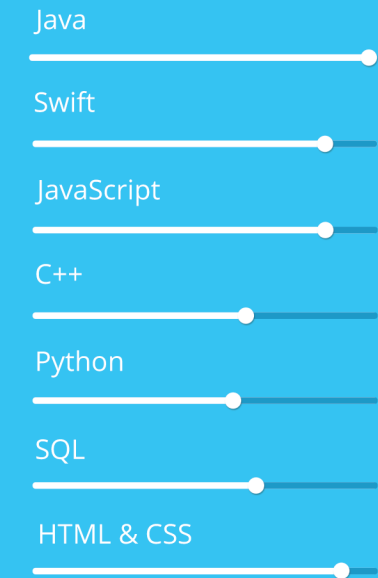
📇 CONTACT

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♥ FRAMEWORKS

AWS · ORACLE · Python · Angular · JS · React

📊 LANGUAGES

Java

Swift

JavaScript

C++

Python

SQL

HTML & CSS

🏆 ACHIEVEMENTS

2017 - Cansbridge Fellow Scholarship

2017 - McGill Hackathon Finalist

2015 - McGill Eng Competition Winner

2014 - Skills Canada Winner (Regional)

2014 - High School Valedictorian

2014 - BC Provincial Scholarship