JOHN WU

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SKILLS

Programming Languages
Java
Javascript
Python
C/C++
HTML/CSS
SQL
VHDL

Frameworks & Technology
Azure
Amazon Web Services
Mongo DB
Node & Express
Angular 1/2
React
Git
Travis CI
OpenCV
Tensorflow

Hardware
Arduino Uno
Mindstorm EV3
Altera Cyclone V

Speaking Languages
English (Fluent)
Cantonese (Fluent)
French (Beginner)

AWARDS

Cansbridge Scholarship
$6000 scholarship given by the Cansbridge Fellowship to 15 students across Canada, selected based on leadership and entrepreneurship potential. *3% acceptance rate. January 2017*

MEC Senior Design Winner
First place ranking in the McGill Engineering Competition (MEC) senior design division and selected to represent McGill at provincials. *November 2017*

MEC Junior Design Winner
First place ranking in the McGill Engineering Competition (MEC) junior design division and selected to represent McGill at provincials. *November 2015*

EDUCATION

McGill University – Montreal, QC *Sep 2014 – Present*
Bachelor of Computer Engineering. Expected graduation - May 2019.

EMPLOYMENT

Microsoft Corporation – Program Manager Intern | Redmond, USA *May 2018 – Aug 2018*
- Worked on the Batch AI team to build a service that manages the infrastructure for training machine learning models on GPUs and distributed systems in Azure.
- Interviewed with customers to determine areas of improvement which could potentially increase future revenue, improve customer satisfaction, and ensure competitive success.
- Wrote a specification document for delivering a feature that addresses the top problem for 90%+ of customers, allocated resources to increase documentation content by 250%+, and drove overall product usage growth by an average of 30.6% per month.

Flicfit – Software Engineering Intern | Tokyo, Japan *May 2017 – Aug 2017*
- Worked on a solo team to research and develop an algorithm in Python/C++ which uses computer vision techniques to reconstruct a 3D model of an object from a video scan.
- Designed a Swift iOS application which integrates the algorithm through a Node.js server hosted on AWS and scaled using services that include S3, Elastic Beanstalk, and SQS.

Mxi Technologies – Software Developer Intern | Ottawa, Canada *May 2016 – Dec 2016*
- Worked in an agile environment to implement custom patches to a core web application.
- Designed new REST APIs using Java for accessing a SQL database hosted on an Oracle Server.
- Created unit and end-to-end tests to ensure fast and frequent released to the client.

ACTIVITIES

McGill Artificial Intelligence Society – Co President *Jun 2017 –Present*
- Onboarded 12 new partners with sponsorship revenues of $15,000+, increased social media following by over 75%, and lead the planning of 4 new events with 100+ attendance.
- Restructured the organization by expanding the executive team in order to introduce new initiatives including tutorials, design projects, blogs, and exam prep sessions.

Microsoft Student Partner – McGill Rep *Sep 2017 –Present*
- Organized and presented technical tutorials with average attendance rates of 50+ students, to demonstrate how to use Azure services and utilize it as a platform for their projects.

DECA McGill – Co President *May 2015 – Dec 2016*
- Organized an annual case competition with 75+ attendees from across Quebec and Ontario.

First Year Engineering Council – Co President *Sep 2014 – Jun 2015*
- Organized a conference with 100+ attendees and voted as the engineering event of the year.

PROJECTS

LeBot James – Class Competition Winner
- Robot which autonomously performs navigation, odometry, obstacle avoidance, ball retrieval, shooting, and blocking while playing 1on1 basketball against other robots in a tournament.
- Developed in Java using the EV3 microcontroller along with various sensors and hardware parts.

Thicc.ai – BDC Hackathon Finalist
- Web application which suggests different workout routines based on genetic strength and weaknesses from DNA provided by BioGenic.
- Used Azure Machine Learning studio to integrate a decision tree model into a MEAN stack app.

Yuze Kiosk – Waterloo Hackathon Project
- Restaurant ordering kiosk which uses a 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.