

TIFFANY WANG

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AWARDS

Desjardins Foundation Scholarship
Desjardins Foundation
Oct. 2017
Scholarship from Other Study Fields - Bachelor's Program

Ubisoft Engineering Scholarship
McGill University
Aug. 2016

SKILLS

PROGRAMMING LANGUAGES

Java
Javascript
Python
Objective-C

FRAMEWORK AND TECHNOLOGIES

Angular2
React JS
Flask
iOS
JavaFx
TensorFlow
Keras
Scikit-learn
Microsoft Azure

LANGUAGES

English (fluent)
French (fluent)
Mandarin (fluent)

EDUCATION

McGill University 2015 - 2019
Bachelor of Honours Electrical Engineering
CGPA: 3.91/ 4.00 • Dean's Honour List - top 10% of the McGill Engineering faculty

EMPLOYMENT

Nokia May 2017 - Aug. 2017
Hardware Support Engineer · Ottawa, ON
- Developed fault insertion test plans for router cards to ensure they support the design requirements
- Debugged PCB to find faulty components using probe signal analysis, fixed over 5 boards in the span of 2 weeks
- Wrote scripts in Perl to run diagnosis and hardware tests on router cards to expedite testing time by 1 week

Intel - NTU IoX Center June 2016 - Aug. 2016
Summer Research Intern · Taipei, Taiwan
- Implemented a GUI for Docker using JavaFx
- Integrated Docker commands in the GUI which increased Docker usage's time-efficiency by 90%
- Analyzed ways to stabilize the robustness of Docker Swarm in case of network outage / node disconnection

EXTRACURRICULAR ACTIVITIES

Microsoft Student Partner Sept. 2017 - Current
- Organized and hosted on-going technical mock interviews for McGill students
- Mentored teams on utilizing Microsoft Azure and general MEAN stack applications during QHacks 2018
- Successfully organized a Microsoft Azure Machine Learning Studio workshop for 50 students at CodeJam 2017
- Successfully organized an on-campus Imagine Cup workshop for 60 students

McGill Taiwanese Student Association - MTSA *Webmaster / VP External* Sept. 2015 - Current
- Maintain the content and the activities of the mtsa.tw website
- Built the current website into a dynamic single-page MEAN web-app using Angular 2 and MS SQL

McGill Women in Computer Science - McWiCS - *Co-Founder / VP Events* Dec. 2015 - Aug. 2017
- Organized and managed CStor Peer Mentorship and Industry Mentorship programs (total of 21 pairs)
- Coordinated site circuit visits and networking events at Google, AutoDesk, Morgan Stanley
- Coordinated with Lighthouse Labs to organize a introductory JavaScript workshop

PROJECTS

HackTheNorth - Yuze Ordering Kiosk Sept. 2017
- Built a restaurant ordering MEAN app that tracks of customer's usual orders and gives recommendations when customers are identified using facial recognition
- Designed the UI using Angular2 incorporating the RecordRTC library to take pictures for face recognition purposes
- Implemented the Microsoft Cognitive Service's Face API to train the app to recognize the customers at a high confidence rate up to 92.3%

Autonomous EV3 robot Jan. 2016 - May 2016
Project Manager
- Coded the robot to complete specific performances using object-oriented programming in Java
- Built an autonomous soccer playing robot using EV3 Lego parts and LeJOS API
- Planned out the responsibilities and schedules of the six team members using a GANTT chart
- Supervised every stage of the project: prototyping, modeling, testing, documenting the results, troubleshooting and finalizing
- Developed testing methods to evaluate the performance of our embedded system

Electromagnetic Crane - McGill Engineering Competition Nov. 2016
- Built a crane in 8 hours using limited resources
- Designed an electric circuit using H-Bridges and switches
- Implemented Arduino to program the control system for the crane's body and arm rotations.