

GARY SHEN

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EXPERIENCE



Microsoft

Incoming Software Engineering Intern

May 2018 - July 2018

Redmond, WA

- Interning in the Cloud and Enterprise organization



Magnet Forensics

Software Developer Co-op

May 2017 - August 2017

Waterloo, ON

- Developed features using C#, .NET, and ReactJS for a metric tracking and visualization dashboard; changes resulted in a more streamlined internal development workflow and were used across all development teams
- Added new multithreading and previewing functionalities for the product licensing tool, reducing wait times in the license renewal process from 90 minutes to less than 15 minutes



Cambridge Brain Sciences

Student Developer

January 2017 - April 2017

London, ON

- Recognized a need to make academic neurological research tests more modern and provided a scalable solution by porting puzzles to Ruby/Rails and ReactJS; increased weekly uses from 1,000 to 3,000



University of Western Ontario

Undergraduate Researcher

November 2015 - August 2016

London, ON

- Developed an indoor locationing model in Java based on WiFi signal strengths that was more time efficient than existing methods by a factor of 6
- Designed an activity recognition Android app, applying machine learning methods to improve recall from 76% to 92% and precision from 84% to 88%
- Awarded 2016 NSERC Undergraduate Student Research Award (\$6000)

PROJECTS & PUBLICATIONS

NHL Prediction Models and Visualizations

- Various models built in R and visualized using Tableau for predicting player stats and NHL results

Class Contribution Visualizer

- Tool using OpenCV and R to visualize peer evaluation data for contribution based classes

IEEE CSCWD 2017

- A Novel WiFi-based indoor localization system
- Shen, G., Yin, X., Wang, X., Shen, C.
- DOI 19.1109/CSCWD.2017.8066713

IEEE SMC 2016

- Mitigating sensor differences for phone-based human activity recognition
- Yin, X., Shen, G., Wang, X., Shen, W.
- DOI 10.1109/SMC.2016.7844783

EDUCATION & SKILLS

University of Western Ontario (BESc)

September 2015 - April 2020 (Expected)

- 95% Average, 4.00 GPA in Computer Engineering
- 2015 National President's Scholarship (\$50,000)

Ivey Business School (HBA)

September 2017 - April 2020 (Expected)

- 87.5% Average, 3.90 GPA in Business Administration
- 2017 Ivey Alumni Association Toronto Chapter HBA Award (\$24,000)

Languages: Java, C#, C++, R, SQL, JavaScript, HTML/CSS, Python, Ruby/Rails

Technologies: Android, React Native, ReactJS, Redux, Meteor, ExpressJS, NodeJS, MongoDB, Tableau, Tensorflow, OpenCV, Machine Learning, Computer Vision, Web Scraping