# GARY SHEN

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## EXPERIENCE

**Microsoft**  ·  **May 2018 - July 2018**
*Incoming Software Engineering Intern*  ·  *Redmond, WA*

- Cloud and Enterprise Team

**Magnet Forensics**  ·  **May 2017 - August 2017**
*Software Developer Co-op*  ·  *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**  ·  **January 2017 - April 2017**
*Student Developer*  ·  *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**  ·  **November 2015 - August 2016**
*Undergraduate Researcher*  ·  *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 allow for visualization of 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