

## EXPERIENCE & SKILLS



**Microsoft**  
*Incoming Software Engineering Intern*

**May 2018 - July 2018**  
*Redmond, WA*

- Interning in the Cloud and Enterprise organization



**Magnet Forensics**  
*Software Developer Intern*

**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 sampling 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
- Built a machine learning based activity recognition Android app, created a model using Weka for mitigating the impact of smart phone sensor differences to improve recall from 76% to 92% and precision from 84% to 88%
- 2016 NSERC Undergraduate Student Research Award (\$6000)

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

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

## PROJECTS & PUBLICATIONS

### NHL Prediction Models and Visualizations

- Predictive and descriptive NHL analytics using R, Tensorflow, and Tableau

### IEEE CSCWD 2017

- A Novel WiFi-based indoor localization system
- Shen, G., Yin, X., Wang, X., Shen, C.
- DOI 10.1109/CSCWD.2017.8066713

### Smart Bed Monitoring System

- System for monitoring sleep related health via a decision tree model generated using Weka

### 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 & ACTIVITIES

**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)

**Activities:** Co-president of Ivey Technology Club, Quantitative Trading Analyst for Mustang Capital, Sponsorship Committee Member for Thames Valley Science and Engineering Fair

**Interests:** Hockey, Table Tennis, Camping, Hiking