

EXPERIENCE & SKILLS



Microsoft
Software Engineering Intern

May 2018 - Present
Redmond, WA

- Interning on the Azure Cloud Geneva Monitoring team.



Magnet Forensics
Software Developer Intern

May 2017 - August 2017
Waterloo, ON

- Built a dashboard using C#, .NET, and ReactJS for aggregating and visualizing forensic evidence from electronic devices to help investigation focusing on digital crimes including child exploitation and identity fraud; resulted in a more streamlined forensic investigation workflow for investigators dealing with increasingly large data sets



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, Innovation Centre for Information Engineering

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

Smart Bed Monitoring System

- Non-invasive system for monitoring sleep related health using pressure sensor data via a decision tree model generated using Weka machine learning tool

NHL Prediction Models and Visualizations

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

Mitigating sensor differences for phone-based human activity recognition

- Yin, X., Shen, G., Wang, X., Shen, W.
- IEEE SMC 2016
- DOI 10.1109/SMC.2016.7844783

A Novel WiFi-based indoor localization system

- Shen, G., Yin, X., Wang, X., Shen, C.
- IEEE CSCWD 2017
- DOI 10.1109/CSCWD.2017.8066713

EDUCATION & ACTIVITIES

University of Western Ontario (BESc)
September 2015 - April 2020 (Expected)

- 94% Average, 3.99 GPA in Software Engineering
- 2015 National President's Scholarship (\$50,000)

Ivey Business School (HBA)
September 2017 - April 2020 (Expected)

- 85% Average, 3.81 GPA in Business Administration
- 2017 Ivey Alumni Association Toronto Chapter HBA Award (\$24,000)

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

Interests: Hockey, Table Tennis, Camping, Hiking