

## RECENT EXPERIENCES

### Instagram/Facebook - Software Engineering Intern

**Jun 2019 - Aug 2019**

#### Instagram Notifications Growth Team

*Menlo Park, CA*

- Created new experience driving engagement by providing timely reminders of unread messages to users who were previously unreachable by existing notifications; estimated to drive a 250M gain in monthly active people.
- Improved framework for handling links found in external notifications by using redirects to more relevant fallback links to drive platform engagement; projected to increase monthly active people on Instagram by 5M.
- Redesigned landing experience of the new user email confirmation process to increase app engagement by directing the user to their profile page; estimated to increase email reachable users by around 450k annually.

### Microsoft - Software Engineering Intern

**May 2018 - Jul 2018**

#### Azure Cloud Geneva Monitoring Infrastructure Team

*Redmond, WA*

- Designed and launched an end to end service allowing for custom automation workflows involving monitoring and incident management enrichment actions to be configured; projected to save 30,000 engineering hours per year.
- Created full stack tool allowing actions from third party sources to be easily added to the automation framework.

### Magnet Forensics - Software Developer Intern

**May 2017 - Aug 2017**

#### Software Tools and Support Team

*Waterloo, ON*

- Added smarter aggregation and filtering for forensics related data dashboards, including the ability to standardize data from multiple sources, add labels and and emit outliers; resulted in a more streamlined workflow for investigators dealing with increasingly large data sets; decreased average time per case related to data analysis by an estimated 12 hours per case (15% of average total data analysis time).

## RESEARCH

### Ivey Business School - Research Assistant

**Sep 2018 - April 2019**

#### Managerial Accounting and Control, Supervised by Dr. Y. Shi

*London, ON*

- Data mining/cleaning to examine the impact of institutional ownership on environmental, social, and governance (ESG) indicators, ESG voluntary disclosure, and ESG linked compensation.

### Western University - Undergraduate Researcher

**Nov 2015 - Aug 2016**

#### Innovation Centre for Information Engineering, Supervised by Dr. X. Wang

*London, ON*

- Applied machine learning models to indoor locationing and activity recognition and implemented a technique for mitigating the impact of phone sensor differences.

## PUBLICATIONS

### A Novel WiFi-based Indoor Localization System

**2017**

- IEEE CSCWD, DOI 19.1109/CSCWD.2017.8066713

### Mitigating Sensor Differences for Phone-based Human Activity Recognition

**2016**

- IEEE SMC, DOI 10.1109/SMC.2016.7844783

## EDUCATION

### Western University (BESc) and Ivey Business School (HBA)

**Sep 2015 - Apr 2020 (Expected)**

#### Software Engineering and Business Administration - 91% Average, 3.9 GPA

- President of Ivey Technology Club 2018-2019
- 2018 Ontario Professional Engineers Foundation for Education Scholarship, 2017 Ivey Alumni Association Toronto Chapter HBA Award, 2016 NSERC Undergraduate Student Research Award, 2015 National President's Scholarship

## SKILLS & INTERESTS

**Languages:** Java, C#, Python, R, JavaScript**Cloud:** Azure, AWS, Firebase**Machine Learning:** Tensorflow, Keras, Scikit-learn, Weka**Databases:** MongoDB, SQL databases**Web:** Django, Node, Express, Ember, React, Angular**Interests:** Hockey, Basketball, Hiking