

## EDUCATION

### University of Waterloo

Computer Engineering, Honours,  
Co-operative Program | 84%  
2015 - 2020

## SKILLS

#### Languages:

Java, JavaScript, C#, Python, C++, HTML, CSS

#### Frameworks & Libraries:

Node.js, Vue.js, Express, Angular, React, Ionic, MySQL, CouchDB, MongoDB, PostgreSQL, AWS, .NET, Android

#### UI/UX:

Zeplin, Sketch, Adobe Photoshop, Adobe Experience Manager (AEM), Invision

#### Others:

Git, Docker, JIRA, Agile Methodologies, Webpack, REST, Jenkins, TeamCity, Nginx

## AWARDS

### University of Waterloo ·

Engineering Student Scholarship

- **\$10,000**
- Extraordinary overall performance, awarded to **20** students

### University of Waterloo ·

President's Scholarship of Distinction

- Obtaining an overall incoming average above **95%**

### UXP Systems ·

Certified Scrum Team Member

## COURSEWORK

- Software Architecture and Design Patterns
- Adaptive Algorithms
- Computer Networks
- Computer Security
- Algorithms and Data Structures
- Database Systems
- Operating Systems
- Project Management
- Compilers
- Digital Systems Engineering

## EXPERIENCE

Morningstar | DBRS · Toronto, ON

Software Engineer · Aug. 19 to Dec. 19

- Developed and deployed a microservice to track approval workflow for analysts using **Python, SQL, AWS, Docker** and used **SQS** and **Lambda** to send approval notifications
- Secured **90%** APIs by custom token-based authorization using **.NET MVC, LDAP**
- Implemented a role-based access control service and a **CI/CD** pipeline on **TeamCity**
- Scaled services to support **10 times** the number of users for user migration post-acquisition

DBRS · Toronto, ON

Software Engineer · Jan. 19 to May 19

- Designed and developed an application to automate the bulk rating process, reduced support requests by **30%** and decreased average rating time by **40%** via **C#, SQL, Angular 8**
- Developed a materialized view to maintain user history and capture updates via **Lambda**
- Unified logging across applications, **Loggly** to **AWS CloudWatch** and setup **Opsgenie** alerts
- Upgraded **AngularJS** to **Angular7** hybrid app, decoupled **.NET** using **Webpack** and deployed using **EC2, Docker, S3, Nginx**

International Financial Data Services (IFDS) · Toronto, ON

Full Stack Developer · Apr. 18 to Aug. 18

- Designed and developed a cross-platform **Ionic** application to automate the process of registering and dispatching posts using **Angular, Node.js** and **CouchDB**
- Improved the workflow by **88%**, eliminating **4 hours** of manual effort a day
- Reduced the number of **web-sockets** from **6 to 2** by redesigning the database schema
- Solely developed a sign-in application to track user activity using the **MEAN** stack
- Secured the applications by a **JWT-auth** server and deployed via **Nginx** reverse proxy

Great-West Life · Toronto, ON

Software Developer · Sept. 17 to Dec. 17

- Built multiple *data visualization* components that dynamically load data from a complexly structured data-set using **Vue.js, Solr** and **SQL**
- Improved asset retrieval and upload to *Java Content Repository* by **18%** using **Java**
- Worked closely with *business, content* and *design* teams to develop cross-platform **AEM** components to be used across all products using **Java, Javascript** and **XML**

UXP Systems · Toronto, ON

Automation Developer · Jan. 17 to May 17

- Improved the automotive test coverage by **35%** using **Java, TestNG** and **Selenium**
- Implemented API testing for **SAML** login and authentication using **Java, Groovy, Postman**
- Built a **CD** pipeline automating deployments on client environments using **Jenkins**

SOTI Inc · Mississauga, ON

QA Analyst · May 16 to Sept. 16

- Identified abnormal consumption patterns and assisted the team to decrease battery consumption for Android users by **16%**
- Implemented API testing using **SoapUI, Postman** and **Groovy**, on multi-OS for geo-restrictions, lockdown and security

## PROJECTS

Spore | Java, Node.js and MongoDB

- Organizational tool for students to manage their time better
- Implemented a **parser** to intelligently read critical dates from the course outline and **export** it to local/third party calendar i.e shareable with friends
- Integrated university specific login and a native chat system to allow students to share documents, create study groups, events and view public calendars