

# Ayo J. Awoyelu

B.A.Sc. | HONOURS COMPUTER ENGINEERING | WATERLOO, ONTARIO

✉ awoyelu1410@gmail.com | 🏠 ayoawoyelu.github.io | 🌐 ayoawoyelu

## Education

### University of Waterloo

Waterloo, Ontario

BACHELOR OF APPLIED SCIENCE IN COMPUTER ENGINEERING

Sep 2015 - Apr 2020

Algorithms and Data Structures, Software Design and Architectures, Distributed Computing, Database Systems, Compilers, Networks

## Skills

### Languages

JavaScript, TypeScript, Ruby, MySQL, PostgreSQL, Scala

### Frameworks/Platforms

Node.js, Redis, Apache Spark, Hadoop, Apache Thrift, Ruby on Rails, RSpec, Mocha, Chai

### Development Tools

Git, Jenkins, JIRA, Docker, AWS EC2, AWS Elasticsearch (Kibana), Postman

## Experience

### Twine

San Francisco, California

BACKEND ENGINEERING INTERN

Sep 2019 - Dec 2019

- Developed core features of the Twine **Rails** app, and improved test coverage with **RSpec**
- Added 2FA testing feature using **Devise** and **Twilio** to verify a user's chosen authentication phone number
- Increased customer success team efficiency with the implementation of new support portal views, and customizable user account queries

### Lifion, By ADP

New York, New York

PLATFORM ENGINEERING INTERN

Jan 2019 - Apr 2019

- Designed parts of an authorization system with **Node.js**, **Redis** and **MySQL** to enforce data-scoping rules and assign security groups
- Developed a data access layer with **Node.js** and **IORedis** to perform CRUD operations on **Redis** to handle security records
- Built out integration and unit tests for an application within the Lifion Platform using **Chai.js** and **Mocha**
- Integrated **DataDog** metrics to display various API endpoint statistics on different development environments
- Updated **Jenkins** continuous integration and build pipelines to display **JUnit** test results as a success graph and XML file

### Condos.ca

Toronto, Ontario

FULL STACK DEVELOPER INTERN

May 2018 - Aug 2018

- Developed recommendation engine to populate listing data based on **500,000+** historical records
- Built infrastructure to filter **30,000+** condo listings by proximity to a major intersection with **MySQL** and **Laravel**
- Wrote RESTful API endpoints with **Lumen** to securely provide resources to the client application
- Designed multiple CMS components for managing sensitive employee records with **AWS S3**, **Lumen** and **Docker**
- Integrated multiple third-party API services including **Yelp** and **Google Places** APIs to automatically create descriptions for listings

### SkyWatch Space Applications Inc.

Waterloo, Ontario

FRONT END ENGINEERING INTERN

Sep 2017 - Dec 2017

- Built responsive login and signup forms with **HTML5**, **CSS3**, and **JavaScript** by customizing **Auth0.js** hosted pages
- Utilized **NgRx store** to reduce request overhead for image output format selection, restricting requests to **1 per page load**
- Developed the end-to-end tests for SkyWatch's **EarthCache™** software with **Protractor** to automate and significantly reduce test time
- Designed re-usable dashboard components to visualize pipeline data with **Angular 4**, **Typescript** and **NgRx**
- Implemented **Angular** optimization techniques like **Lazy loading** and **Ahead of Time** compilation significantly reducing build time

### Hatch Ltd

Oakville, Ontario

JUNIOR SOFTWARE DEVELOPER - SYSTEMS DEVELOPMENT UNIT

Jan 2017 - Apr 2017

- Developed **C#** scripts to handle cross-platform RDBMS **ETL** operations from **Oracle** to **MS SQL Server**
- Worked in an international **Agile** development team to upgrade multiple UI components with **DevExpress**, **HTML** and **ASP.NET Razor**
- Created multiple **RESTful** API endpoints with **.NET Entity Framework** to retrieve data from various **MS SQL Server** databases
- Built an app for engineers to retrieve **2000+** equipment records in **CSV** and **OMI** formats with **Angular 2**, **C#** and **.NET Framework**
- Integrated **OpenXML** with **C#** to export engineering equipment data to an Excel spreadsheet

## Projects

### Cockroach Nest

Waterloo, Ontario

HACK THE NORTH

Sep 2017

- CockroachNest helps you monitor your **CockroachDB** cluster by organizing your nodes graphically on a map.
- The app leverages the **PagerDuty API** for SMS Notification to alert a database administrator know when a node in the cluster goes down

### Tryify.shop

Waterloo, ON

DECODE HACKATHON

Mar 2017

- Developed a web application that allows small-time entrepreneurs get validation on their product without opening up an online store
- Designed an intuitive search bar and carousel for effective product look up with **HTML**, **CSS**, **jQuery**, and **Ruby on Rails**