

Education

Waterloo, ON	University of Waterloo Bachelor of Computer Science	9/2016 - 8/2021
Waterloo, ON	Wilfrid Laurier University Bachelor of Business Administration	9/2016 - 8/2021

Experience

Software Developer Intern	RBC Financial Group	1/2020 - 5/2020
<ul style="list-style-type: none">Created a RESTful API for a monitoring application to create, read, update and delete client data using Java SpringDeveloped the UI and added state management for two internal applications using Angular, Backbase and NgRxImplemented state management using the facade pattern to abstract and simplify interactions with the storeDeveloped an app for clients to apply for COVID19 relief loans and deployed to production within a 14-day timeframeAchieved over 90% frontend testing coverage for the applications through unit tests using Karma and Jasmine		
Software Developer Intern	RBC Financial Group	1/2019 - 4/2019
<ul style="list-style-type: none">Wrote and deployed changes to RBC's account open API to implement features and fix bugs using Java SpringModified the client open service to expand usability of a new account open process from 15 branches to 1000+Increased testing coverage through unit and integration tests using JUnit, Mockito, Selenium, and CucumberImplemented performance tests and service call mocks to simulate service requests using JMeter and WireMock		
Digital Marketing Intern	Microdea	1/2018 - 4/2018
<ul style="list-style-type: none">Improved website conversion rates by 20% with high-level explainer videos created using Adobe Creative CloudCreated marketing collateral for the launch of a mobile application in the App Store & Play Store to drive installations		

Projects

🔗 **Reddit Clone** | *Java, Spring, Angular, MySQL*

Purpose: Develop a full-stack Reddit clone using Angular & Spring Framework

- Developed **RESTful API** with **CRUD** operations for submissions, comments, and votes using **Spring Boot**
- Handled user authentication and authorization through JSON web tokens using **Spring Security**
- Handled user logout functionality using **refresh tokens** to rotate expiring JSON web tokens
- Implemented user interface and state management using **Angular** and **NgRx**

🔗 **Pokédex Chatbot** | *Google Dialogflow, Angular, Node.js, Express*

Purpose: Develop a full-stack conversational experience using natural language processing

- Designed interactions to retrieve Pokémon data and images using **Google's Dialogflow API**
- Developed a webhook to PokéAPI using **Node.js** and **Express** for Dialogflow fulfillments
- Implemented the chatbot user interface using **Angular** and Nebular's Angular UI library

🔗 **Twitter Stock Trading Bot** | *Python, Google Cloud Natural Language API*

Purpose: Develop a stock trading bot using sentiment analysis on tweets by the US president

- Scraped POTUS' tweets and retrieved its sentiment value using **Python** and **Google Cloud NL API**
- Simulated stock buys/sells based on the sentiment of tweets involving mentions of S&P500 companies

🔗 **Popular Movies App** | *Java, Android Studio, Retrofit*

Purpose: Develop an Android app to discover popular movies, watch trailers, and read reviews

- Retrieved movie data using **Retrofit** via TMDb's RESTful API and used **Picasso** to load and cache images
- Implemented RecyclerView to render the list of movies and **Material** components to display trailers and reviews

Skills

- Java, C++, C, TypeScript, HTML, CSS, Spring, Angular, NgRx, Android Studio, Git, Agile