

Ronan Almeida

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Education

Queen's University

Bachelors of Computing (Honours) in **Computer Science**

Kingston, ON

Class of 2022

- Queen's Excellence Scholarship, Deans Honours List, Cumulative **GPA: 4.0/4.3**
- Relevant Coursework: Data Structures, Object Oriented Programming, System Level Programming (Bash, C) , Data Analytics

Skills

Languages: Python, Java, JavaScript, C#, SQL, HTML, CSS

Technologies: Git, Node.js, React.js, Express.js, Django, Flask, Azure, Firebase, REST API, JQuery, JavaFX, JUnit Testing

Experience

Two Rings Media

Software Engineer Intern

Toronto, ON

May. 2020 - Present

- Developed a data analytics SaaS **Django web application** that serves financial analysts interactive data insights and asset reports.
- Utilized existing pipelines to retrieve **100,000+ records** from **Azure**, preprocess and clean data frames in **Python**; then create data visualizations in **JavaScript**.
- Redesigned web-app's UI/UX to be cross-platform responsive using bootstrap and optimized network requests which resulted in reduced feature load times by **40%**.

QMIND (Queen's AI Hub)

Software Developer

Kingston, ON

Sept. 2019 - Apr. 2020

- Worked in a design team of five other developers to build a data dashboard web application for a business client.
- Built multiple data exploration & visual graphing features from client datasets utilizing **Python** and the **D3.js** library for JavaScript.
- Presented the application at the Canadian Undergraduate Conference of AI to **100+** industry professionals and secured group funding exceeding **\$10,000**.

Projects

Reddit Stock App

Python · Flask · React.js

[🔗 View Project](#)

- Created a Web app that uses the **Reddit API** to scrape stock related subreddits and classify post submissions in order to generate an organized report for the top stocks.
- Implemented by making backend **Flask** API end points that serves the processed stock data to the client-side **React.js** front-end.

Spotify Higher or Lower

Node.js · React.js

[🔗 View Project](#)

- Developed a full-stack web application that uses the **Spotify Web API** to compare two different albums, artists or songs using React and Node.js.
- The application makes a backend **API request** to the Spotify server which retrieves profile information, images, and statistics to be processed and be displayed within the app.

Student Admin System

C# · Windows Forms

[🔗 View Project](#)

- Created a student database manager that allows teachers to modify, add and delete student information within a classroom.
- The windows application is connected through an Access Database which utilizes varying SQL queries to alter student information.

Leadership

DPCDSB School Board

Robotics Instructor

Toronto, ON

Feb. 2019 - Mar. 2019

- Part of an initiative to bring more students into technology by educating the use of EV3 Mindstorm Robotic Kits to **30+** elementary students and five different schools.
- Taught students basic programming fundamentals, debugging techniques and team building exercises.