# Ronan Almeida

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## Education

**Queen's University**                                                                                            *Kingston, ON*
Bachelors of Computing (Honours) in **Computer Science**                                             *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**                                                                                               *Toronto, ON*
Software Engineer Intern                                                                                    *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)**                                                                                     *Kingston, ON*
Software Developer                                                                                         *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**                                                                                       ⌗ *View Project*
Python · Flask · React.js
- 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**                                                                                🔗*View Project*
Node.js · React.js
- 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**                                                                                   ⌗ *View Project*
C# · Windows Forms
- 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**                                                                                        *Toronto, ON*
Robotics Instructor                                                                                         *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.