

# Ronan Almeida

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## Education

### Queen's University

Kingston, ON

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

Sep. 2019 - Apr. 2023

- 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#, C, SQL, HTML/CSS  
**Technologies** Git, Node.js, React.js, Express.js, Django, Azure, Firebase, REST API, JQuery, JavaFX, JUnit Testing  
**Tools** Figma, Google Colab, Adobe Photoshop, Notion

## Experience

### Software Engineer Intern

Toronto, ON

Two Rings Media

May. 2020 - Aug. 2020

- 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%**.

### Software Developer

Kingston, ON

QMIND (Queen's AI Hub)

Sept. 2020 - Apr. 2020

- Worked in a design team of five other student developers to build a data-driven 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**.

## Leadership

### Co-Founder

Remote, ON

SWYM (Startup Venture)

Sep. 2020 - Present

- Currently participating in the 2020 inQubate cohort to develop a financial technology startup with a focus on understanding **personal finances** and **consumer transactions**.
- Leading the development of the mobile and desktop application by planning the technical workflow using the **MERN Stack** (MongoDB, Express, React, Node) and delegating tasks to developers that align with our product vision.

### Robotics Instructor

Toronto, ON

DPCDSB School Board

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.

## Projects

### Spotify Higher or Lower

[View Project](#)

Node.js · React.js

- Developing a full-stack web application that uses the **Spotify Web API** to compare two different albums, artists or songs using React.js 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 Form

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