Josh Cowan

289-698-5258 | cowanjzc@gmail.com | https://www.linkedin.com/in/josh-cowan6/ | github.com/joshuajz

EDUCATION

Queen's University   Kingston, ON
Bachelors (Honours) in Computer Science   *Expected 2025*
- Completed two terms of classes including CISC124 (Computer Science 2) and implemented elements of machine learning (k-means clustering) in Python.

EXPERIENCE

Software Developer Intern   May – August 2022
Royal Bank of Canada   *Toronto, ON*
- Improved the experience of over 17 million customers, by redesigning the mutual fund order form with React.
- Collaborated across multiple different organizations and teams to implement various designs and services into the direct investing website.

Education Executive   September 2022 – Present
https://qweb.dev/ — Queen's University   *Kingston, ON*
- Oversaw a team of four in order to create a comprehensive education module written in HTML, CSS, React.js, and Node.js and presented it to the over 70 club members at weekly lectures.
- Managed the creation of the curriculum and oversaw the quality of the content being created.
- Acted as a project manager by maintaining a Github page and assigning weekly assignments to the four education directors.

Second Year Representative   April 2022 – Present
Queen's University   *Kingston, ON*
- Elected by the student body to represent the over 250 second year computer science students.
- Created a first year guide to help the process of on-boarding to university.
- Designed and wrote the website version of the first year guide utilizing Next.js, HTML, CSS, and Javascript in order to provide the guide to the over 300 incoming first year students.
- Helped to create a community for over 400 Queen's Computing students in order to provide support and mentoring to second year students.

PROJECTS

Elite Dangerous Bot | *Python, Discord.py*   August 2022 – Present
- Uses web scraping to notify users when a specific price is hit for an in game item.
- Will bypass notification settings if the price rapidly changes in either direction in order to allow the user to make an informed decision.

Borg | *Python, Postgresql*   June 2020 – January 2022
- Created a multi-purpose Discord bot to provide users with course information for Canadian universities.
- Provided university students with vital information and miscellaneous quality of life features to over 2,000 users.
- Created a library in order to provide bot creators with the ability to easily create embedded messages.

Decisions Bot | *Python, Gspread, Discord.py*   June 2020 – Present
- Allows users to supply university decisions which are stored on both the discord server as well as a Google spreadsheet.
- Recorded user supplied data for the past 2 years totalling in over 3,700 recorded data points.

Monopoly Simulator | *Python, Flask, Sqlite*   July 2020 – August 2020
- Provides a dashboard in order to simulate rounds of monopoly (dice rolling, locations landed, etc.) to create a model for which properties are most profitable to purchase.
- User accounts allow for organization and for multiple people to use the same tool and track their progress.

TECHNICAL SKILLS

Languages: Javascript, Python, C, HTML, CSS, SQL
Frameworks: React, Bootstrap, Flask, Node.JS, MongoDB
Developer Tools: Git, Google Cloud Platform, UML, Agile
Libraries: Jest, Cypress