Jack Denton

917-880-8744 | jack.denton@mail.mcgill.ca | linkedin.com/in/jack-denton011235813 | github.com/Jackdenton21

EDUCATION

McGill University   Montreal, Quebec
Bachelor of Arts in Computer Science, Minor in Economics   *Sept. 2020 – May 2024*

EXPERIENCE

Software Engineer Intern   June 2022 – Present
Tech For Good Inc.   *Boston, MA*
- Developed a full-stack web application using the React framework Next.js, AWS, and Flask to display real-time data for Tech For Good's deployed networks.
- Used the JavaScript library MapBox GL JS to embed a MapBox map within a React component to show where the networks are deployed.
- Familiarized myself with GitHub in a professional development environment.

PROJECTS

Q&AI Chrome Extension | *HTML, CSS, JavaScript*
- Built a Chrome extension that allows users to find answers to highlighted questions or definitions of highlighted words. The tool focuses on user experience by displaying the answers in a pop-up next to the highlighted text.
- The extension also allows users to directly type questions into a search bar for a longer response and annotates the key words in the response providing a link to more information.
- The extension is powered by the OpenAI API, DBPedia, and DictionaryAPI.dev.
- See demo video here: https://www.youtube.com/watch?v=VhofORWy8VQt=2s

Covid-19 Data Analysis Script | *Bash, Sed, Awk*
- Takes as input a large set of data containing all Canadian Covid-19 information and has various options to output data and relevant statistics for a specific province or date interval.
- Uses both awk and sed to manipulate the data
- Includes an optional switch to compare data between specific provinces or time intervals.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (Postgres),HTML/CSS, JavaScript
Frameworks: React, Node.js, Flask, JUnit
Developer Tools: Git, VS Code, Docker, Pycharm Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib