


Bassel Rezkalla

Python | C | Java | C++ | Node.js | Bash
HTML5 | CSS3 | JavaScript | SQL | Git

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 /BasselR

 /bassel-rezkalla

Skills

- Excellent back-end developer – strong with data structures and algorithms through competitive programming
- Very fast learner, focused and motivated to grow by overcoming challenges in personal projects
- Skilled leader and team player with strong communication skills - practiced through teaching university students

Work Experience

Teaching Assistant

McMaster University

May 2020 – Present

Hamilton, ON

Ran semi-weekly tutorials for COMPSCI 1MD3, teaching Python 3, SQL, REST APIs and more. Managed Piazza forum to answer over 200 students' questions.

IT Systems Administrator

Lake Street Pharmacy

May 2019 – August 2019

St. Catharines, ON

Worked with pharmacists to set up and maintain company hardware and software, as well as developing scripts to automate tasks and boost efficiency.

Major Projects

Blackjack.io

Game Theory | Javascript, Node.js, Express.js, Socket.io

An online 2-player twist on the classic Blackjack (21) game using Socket.io and Express.js. Integrated with a MongoDB Atlas database to maintain a lifetime high-score leaderboard.

MIDI Visualizer

OOP | REST APIs, Async JS, File Processing

A MIDI visualizer using HTML5's Canvas and JS to create animations from MIDI files. Uses JS Fetch with async/await to poll REST APIs for file conversion.

Reddit.Web

Graph Theory | Java, JSON, Big Data Processing

A web graphing tool with HTML5 Canvas for visualizing connections between subreddits. Uses a Java Maven back-end and graph theory algorithms to generate visualizable data.

Education

Software Engineering (B. Eng)

McMaster University | September 2018 – Present

Beginning my third year of Software Engineering at McMaster in September 2020. Class of 2022.

Secondary Education

Eden High School, St. Catharines, ON | September 2013 – June 2017

Graduated with a 96% average, 4-year honour roll recipient. Received subject award (top of class) in Physics and French.