Ali Fares

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EDUCATION

Bachelor of Science, Computer Science, May 2022

University at Buffalo, The State University of New York
- Relevant Coursework: Introduction to Computer Science 1, Introduction to Computer Science 2, Systems Programming, Computer Organization, Introduction to Artificial Intelligence, Discrete Structures, Data Structures, Algorithms and Complexity, Introduction to Software Practice, Software Engineering

TECHNICAL WORK EXPERIENCE

Software Engineering Intern, American Express, June 2021 - August 2021

Project: Shop Components Library Metrics Dashboard
- Created a dashboard using React.js to display data regarding the use of each component of an internal library.
- Using Fastify.js, Node.js and PostgreSQL created an API to send and receive data from the PostgreSQL Database.
- Developed and designed a full system architecture plan for the project.
- Using Electron and SQLite3, migrated the existing web application to a local native desktop application
- Held daily stand-ups with the team and mentors to provide updates on the project and ensure all deadlines are met.

TECHNICAL PROJECTS

Raul Avila E-Commerce Website, Summer 2020
- Utilizing Python's Django framework created a backend that included a user authentication system, inventory management, and integrated payment processor through Stripe.
- Effectively communicated with the client and team members to deliver the product and meet deadlines.
- Using HTML and CSS created a dynamic frontend to allow employees to make changes to the website.

UB Switch Project Cost of Living Analyzer, Fall 2020
- Using Node.js, Express and MongoDB created an API with multiple endpoints to retrieve a variety of data from the MongoDB database.
- Created a fully functional authentication system that used Google's Firebase and Node.js.
- Using React.js created a dynamic frontend to visualize data in several ways.

TECHNICAL SKILLS
- Experienced in Python, JavaScript, Scala, MySQL, C, Django, React, Node.js, CSS, Web Sockets HTML, Pandas, NumPy, MongoDB, Express, GitHub, Zen-Hub, Fastify, Electron, PostgreSQL.
- Experience with object-oriented design, algorithm design, data structures, and complexity analysis.

LEADERSHIP EXPERIENCE AND ACTIVITIES

Member, Society of Hispanic Engineers (SHPE), September 2019 - present