Jorge Alberto Mendoza II

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EDUCATION

University of North Texas at Dallas   **Dallas, Texas**
Bachelor of Science in Information Technology   August 2019 – June 2022
- **Relevant Coursework:** Data Structures and Algorithms, Database Administration, Web Development, Software Engineering Principles, Human Computing Interfaces, Computer Security, Computer Networking
- **Capstone Project:** Collaborated with a team to design and create a mobile application where users can search for recreation centers in a city and view the various activities and amenities offered at the center. Conducted extensive research on similar applications and the tools needed to develop the application, with a 100-page report written that detailed the team's findings and the development process of the application.

Projects

Full-Stack Entertainment Application
React, TypeScript, Styled-Components, React-Router (V6), GraphQL, MongoDB, Cypress, JWT, Docker, Digital Ocean
- Created a full-stack web application where users can log in, view content, and bookmark content to be viewed later.
- Researched and implemented the react-router library to create seamless page navigation and apply navigation context on the client. The backend is implemented using GraphQL and Express with a JWT token passed in the context for authentication.
- Wrote integration test for the client and server to ensure that the application could be deployed with little to no errors on Digital Ocean; tests were ran using a continuous integration pipeline built with GitHub Actions.

Single-Page Weather Application
React, TypeScript, Styled-Components, React-Query, Cypress, Vercel-CLI
- Developed a single-page web application where users can search by city name and receive the latest weather information and five-day forecast, all requests were handled with the React-Query library.
- A previous build of the application exposed the API key to the client, so a Vercel serverless function was implemented to act as a proxy for the API request and secure the private key.
- Used the Cypress testing library to create end-to-end tests so the application could be deployed confidently.

Markdown Editor
React, TypeScript, Redux, Cypress, Styled-Components, Marked
- Created an in-browser markdown editor that displays rendered markdown as it is being edited.
- Implemented state management with Redux using the Redux-Toolkit to update application state which contained the current markdown syntax and markdown file information.
- Applied a light and dark theme using the Styled-Components theme context with the ability to quickly switch between the two themes; user's preferred theme is set automatically.

Professional Experience

Dallas Independent School District   **Dallas, Texas**
Campus Based Desktop Support Technician, IT Client Support   May 2021 – Present
- Examined, troubleshooted, and resolved student and teacher laptop/desktop issues daily to ensure that teaching and learning could continue efficiently with little to no downtime.
- Managed multiple elementary, middle, and high-school campuses and maintained constant communication with administrators to create a productive learning environment and prepare for crucial events such as testing.
- Collaborated with the mobile device management team by configuring machines with software such as Intune, deploying devices to campuses, and conducting tests to ensure all workstations were fit for education purposes.

Technical Skills

Programming Skills:	JavaScript (ES6), HTML, CSS, GraphQL
Libraries & Frameworks:	React, Node JS, Next JS, Styled Components, TypeScript, SCSS, Redux
Tools & Platforms:	Git, Docker, MongoDB, Webpack, Vercel, ESLint, Vite, Figma, GitHub