Jorge Alberto Mendoza II

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EDUCATION

University of North Texas at Dallas   **Dallas, Texas**
Bachelor of Arts in Information Technology   August 2018 – June 2021
- **Relevant Coursework:** Data Structures and Algorithms, Database Administration, Software Engineering Principles, Human Computing Interfaces, Computer Security, Computer Networking, Web Application Development.

Technical Skills

Programming Skills: JavaScript (ES6), HTML5, CSS, GraphQL, TypeScript
Libraries & Frameworks: React, Node JS, Next JS, Styled Components, SCSS, Redux, React-Query
Tools & Platforms: Git, Docker, MongoDB, Webpack, Vercel, ESLint, Vite, Figma, GitHub, Digital Ocean

Projects

Full-Stack Entertainment Application (Code | Website)
React, TypeScript, Styled-Components, React-Router (V6), GraphQL, MongoDB, Cypress, JWT, Docker, Digital Ocean
- Developed a full-stack web application built with React and GraphQL 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 and applied new optimization techniques such as React Suspense and debouncing.
- To provide continuous and secure authentication, a JSON Web Token is passed in the context of the GraphQL query to the server to verify the token and either respond to the query or throw a contextual error.
- Wrote integration test for the client and server to ensure that the application could be deployed with no errors on Digital Ocean, with tests ran using a continuous integration pipeline built with GitHub Actions.

Park and Recreation Mobile Application
Kotlin, Project Management, MySQL, UML
- Collaborated with a team to design and implement a mobile application where users can search for recreation centers in a city and view the various activities and amenities offered at the center.
- Managed the team and planned the sections of the application to be completed by each member, with myself in charge of the overall design and implementation in the Kotlin programming language.
- 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.

Markdown Editor (Code | Website)
React, TypeScript, Redux, Cypress, Styled-Components, Marked
- Created an in-browser markdown editor that displays rendered markdown as it is being edited in real-time.
- Developed the state management with Redux using the Redux-Toolkit to update application state efficiently and make it easier to reason about how the application handles data and displays markdown on the page.
- Implemented Styled-Components to set a theme context with the ability to quickly switch between the two themes, contextual styles are implemented along with a responsive design to accommodate for various screen sizes.

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 educational use.