

Alejandro Vera

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EDUCATION

Florida International University: Computer Science Bachelor's (3.5 GPA) | December 2024

Coursework: Programming(I and II), Discrete Structures, Database Concepts, Computer Tech & Apps, Data Structures and Algorithms

SKILLS

Languages: Proficient: JavaScript, TypeScript, Java, HTML/CSS | Familiar: MySQL, Python

Technology: React.js, Next.js, Express.js, MongoDB, Node.js, Git, Redux, Storybook, Styled-Components, MUI, Firebase

EXPERIENCE

Seminaut Inc: Frontend Software Engineering Intern | Remote | November 2022 - January 2023

- Developed and implemented 15+ custom UI components using React, Storybook, and PropTypes to decrease the JavaScript bundle by 12% and increase cross-site user accessibility.
- Collaborated closely with a team of 18+ members, including UX/UI designers and senior software engineers, to enhance and upgrade features using agile methodologies.
- Achieved feature upgrades using React and Flask that resulted in a 20% increase in account registrations.

PROJECTS

AlgoSaurus: Hackathon Award Winning Project | React.js | TypeScript | Framer Motion

- Designed and launched an interactive algorithm visualizer using TypeScript and React.js to achieve 3rd place out of a 620+ participant Hackathon.
- Built over 8+ custom components and 4 pages using Modular CSS and JSX to visually showcase popular algorithms to users.
- Deployed the project by integrating Firebase to ensure accessibility, scalability, and to reduce the latency of the app by 60%.

VALOVAULT: React.js | Redux | MUI | Node.js | Express.js | MongoDB | JSONWebToken

- Created a full-stack application using the MERN stack (MongoDB, Express.js, React.js, Node.js) to allow users to easily keep track of skins they love in the video game Valorant.
- Leveraged industry best practices by implementing 7+ RESTful APIs and global state for seamless data flow using Express.js and Redux to communicate between the server side and the MongoDB database.
- Employed a range of front-end libraries and tools, including MUI, Emotion, Yup, and React-Dropzone, to enhance the app's user experience.
- Back-end technologies such as Node, Express, and Bcrypt were utilized to ensure seamless functionality and security, resulting in a mobile-friendly web application.

GameDeals: React.js | Firebase | Modular CSS | Axios | CheapShark API | RSuite | Zustand

- Fetched over 500+ game deals using the CheapShark API to display video games that have live discounted deals.
- Manipulated React state management and executed efficient data fetching techniques using Zustand and Axios to seamlessly transition website information.
- Constructed an authentication system by utilizing a Firebase database to ensure a robust and secure foundation for the application.