

# Alejandro Vera

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## Education

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**Bachelor of Computer Science**, Florida International University, **GPA: 3.7/4** | December 2024

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

## Skills

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**Languages:** JavaScript, TypeScript, Python, Java, HTML/CSS, SQL

**Technology:** React.js, Next.js, Express.js, MongoDB, Node.js, Tailwind, Git, Redux, Storybook, Styled-Components, MUI, Firebase, Figma, JWT, PostgreSQL, MySQL, Supabase

## Experience

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**Seminaut Inc: Software Engineer Intern** | Remote | November 2022 - January 2023

- Developed and implemented **15+ custom UI components** using React.js, Storybook, and Prop Types 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 creating Flask routes in the **backend** that resulted in a 24% increase in account registrations.
- Spearheaded the implementation of an innovative **automated testing** framework, reducing bug resolution time by 20% and enhancing overall software performance.

## Projects

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**Hackathon Winning Algorithm Visualizer (Front-End)** | React.js | TypeScript

- Designed and launched an interactive **algorithm visualizer** using **TypeScript** and **React.js** to achieve 3<sup>rd</sup> place out of a 620+ participant Hackathon.
- Built over 8 **custom components** and 4 pages using **Modular CSS** and TypeScript 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%.

**Social Media App (Full-Stack)** | React.js | Zustand | Tailwind | Node.js | Next.js | Postgres | Vercel

- Engineered a pet-focused social media platform employing **PostgreSQL** for **database management**, ensuring efficient **data organization** and retrieval.
- Led collaborative efforts with a team member, propelling the project to the **top 5%** among all submissions.
- Architected the **frontend** of the application using **Next.js** and **Tailwind**, optimizing data fetching through **CSS bundling** and **server-side rendering** for enhanced performance and responsiveness.
- Leveraged **Tailwind CSS** to achieve a **48% faster** CSS bundling process, contributing to an efficient and streamlined **user experience**.

**Video Game Discount API App (Front-End)** | React.js | Axios | CheapShark API | 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 via CheapShark API to transition website information.