

Caleb Rivera

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EDUCATION

University of Central Florida
Bachelor of Science in Computer Science

Orlando, FL
Aug 2022 - May 2025

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, C#, C, GraphQL, SQL, Go, Elixir, Python, R, Java, Rust, Bash
Frameworks: React, Next.js, Node.js, Remix, Astro, SolidJS, SvelteKit, Svelte, Vue.js, tRPC, Tailwind CSS, Flask
Tools: Git, GitHub, Figma, Vite, ESBuild, RSPack, Turborepo, MongoDB, Apollo GraphQL, Docker, MySQL, Postgres

EXPERIENCE

Front-end Lead Mar 2023 - Present
KnightHacks Orlando, FL

- Migrated an admin tool to Next.js, reducing JS bundle size by 4x and improving performance and maintainability
- Collaborated with designers and back-end engineers to develop a site advertising UCF's largest hackathon
- Lead a small team of developers that maintain KnightHacks' front-end and back-end tooling and applications
- Review pull requests, document tooling, and host weekly meetings and 1:1 sessions with developers

Product Engineering Intern - Design Systems May 2023 - Aug 2023
Discord San Francisco, CA

- Developed Mirage: a Figma plugin framework and umbrella plugin consolidating all of Discord's design tools
- Wrote RFCs and documentation on Mirage, outlining core features, how it works and why it was built it
- Built out an accessible component library and APIs to make it easier for developers to create a new plugin
- Worked closely with a senior product designers and engineers to ensure product requirements were being fulfilled

PROJECTS

Finance Viper | *Svelte, Node.js, TypeScript, Tailwind CSS, Twilio, Azure*

- Won ShellHacks 2022's "Most Creative Use of Twilio" challenge
- Designed and implemented the front-end of an educational and multiplayer implementation of Snake
- Built several UI components including a login page, a modal that displays a financial literacy question each time the player dies, and a leaderboard that keeps track of the top 5 players with the highest scores
- Animated UI components using CSS and Svelte's built-in transition library

Find My Professors | *Next.js, Tailwind CSS, GraphQL, PostgreSQL, Go*

- Won 1st place for KnightHack's Fall 2022 projects showcase
- Leveraged React Server Components, allowing for server-side rendering and caching and smaller JS bundles
- Used React Table to allow professor data to be sorted, filtered and paginated
- Queried a GraphQL Server serving professor data scraped from ratemyprofessor.com
- Created charts with Chart.js to showcase each professors' ratings over time and common qualities they possess

Drowsy Driver AI | *React, TypeScript, TailwindCSS, Express.js, Mapbox, MongoDB, Socket.io*

- Received 3rd place for ShellHack's 2023's Microsoft AI challenge
- Developed an app that periodically sends geographical data and a photo via web sockets to a web server
- Developed a web server handling real-time communication between the admin tool and clients using the web app
- Developed an admin tool to visualize the locations and drowsiness state of each driver on a map

Astra | *React, TypeScript, Firebase, Tailwind CSS*

- Showcased at a high school presentation advertising LWTC's Database Application Development career program
- Developed a live chatroom application where users can chat with other users in real time
- Built custom React hooks to handle user authentication, querying data, and receiving real-time updates
- Implemented a strict profanity filter to prevent users from sending explicit messages in the live chat