

# MATTHEW BERNARD

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## PROFESSIONAL EXPERIENCE

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### Software Engineer, Rxelms - Internship

May 2024 - August 2024

- Developed and implemented dynamic and responsive Vue.js components using Tailwind CSS, increasing user interaction and driving a 30% increase in user engagement.
- Developed and integrated wallet connection functionalities for multiple blockchains using React, enhancing compatibility and user interaction.
- Styled and structured blockchain selector forms using SCSS, ensuring a modern, responsive design.
- Maintained semantic HTML and accessibility standards, adhering to WCAG 2.1 guidelines.
- Collaborated with team members to seamlessly integrate new features and maintain a consistent UI.

### Front-end Developer - Paid Contractor

November 2023 - January 2024

- Streamlined React UI development for responsiveness and performance, utilizing React Testing Library to ensure high reliability and optimal user experience.
- Enabled decentralized file storage and sharing using IPFS, improving scalability and user privacy.
- Implemented Algorand blockchain transactions and enhanced security using cryptography libraries, ensuring secure and efficient user interactions.

### Front-end Software Engineer, Beige Video - Internship

July 2022 - September 2022

- Developed and maintained front-end web applications using React.js within an Agile team, enhancing user experience and engagement by 30% through optimized performance and intuitive navigation.
- Designed and developed the user interface for mobile application using Figma and React Native.
- Implemented accessibility best practices using WCAG 2.1 guidelines to improve SEO and a11y scores.
- Collaborated with back-end developers and designers to ensure successful and punctual deliveries.

## EDUCATION

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University of California, San Diego - Computer Science B.S.

September 2019 - June 2023

San Jose State University - Software Engineering M.S.

January 2025 - Expected December 2026

## PROJECTS

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### Interactive Learning Platform, AlgoLearn - Contract

- Developed a full-stack developer portal for Algorand using Next.js, TypeScript, React, and Tailwind.
- Developed a secure backend hosted on GCP using Express/Node.js and Docker to execute user code.
- Implemented a paginated search feature and incorporated ARIA accessibility to ensure usability.

### Event Management Platform - Personal

- Created event organization platform like Eventbrite utilizing Next.js, Tailwind CSS, and Stripe.
- Implemented advanced search, filtering, categories, and seamless checkout.
- Integrated Clerk, Mongoose, Shadcn, and Uploadthing for enhanced user experience.

### Wordle-like Trivia Game - Personal

- Developed an interactive web application, using Next.js, React, and API integration.
- Implemented server-side caching with custom middleware in Node.js to optimize API call efficiency, reducing load times and improving data retrieval performance by storing data.

## SKILLS

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**Front-End:** HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Vue.js, Nuxt.js, TailwindCSS, Shadcn, Chakra UI, Bootstrap, Vite, React Router, React Native, Redux

**Back-End/Databases:** Node.js, Express, MongoDB, Firebase, Clerk, RESTful, C++, Java

**Tools & Methodologies:** Git/GitHub, Agile, Zustand, Full-stack, UX/UI, WordPress, CMS