

Michael F Alvarez

Front-End Engineer | UX/UI Developer

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Technical Skills

Programming Languages: HTML \ CSS \ JavaScript \ TypeScript \ Python

Technologies: React \ Sass \ Storybook \ React-Query \ React-Router \ Styled-Components \ Material-UI \ Chakra-UI

Tools: Git \ GitHub \ VS Code \ Insomnia \ Figma \ InVision \ Notion \ Asana

Best Practices: RESTful API \ MVC \ Agile/Scrum \ Responsive Design \ Mobile-First Approach

Work Experience

UX/UI Teaching Assistant | Trilogy Education / UC Berkeley Extension

July 2020 - March 2021

Teach and support students, bridging the digital skills gap; learn to research, design, wireframe, and prototype.

- Lectured multiple classes in Git, GitHub, HTML, CSS, JavaScript, Bootstrap, and jQuery with the intent of grasping concepts within 30 days.
- Mentored project teams to reach MVP prototypes within 3 weeks using Asana, Figma, and InVision, resulting in 85% satisfied deliverables.
- Exchanged engineer insights by revising on wireframes and prototypes, resulting in 25% more positive feedback and productive engagement.
- Organized weekly staff meetings by facilitating a variety of discussion topics, helping clear up class adjectives between staff and students by 2x.

Recent Projects

Front-End Engineer | Arcane404 Blog [[web app](#) \ [code](#)]

August 2021 - Sept 2021

An organization open to share knowledge and experience of web development in many topics.

- Initiated the architect design for the blog platform, applying techniques like atomic design, compound components, and single entry points boosting up the onboarding process by 25%.
- Implemented authentication process for user login and the verification checking with JWT and NodeMailer to provide secure user access.
- Maintained state management, input validations, and error handling for all forms using React, Chakra UI, Formik, and Yup to scale submission type components by x3.

UI Developer | Netflix Clone [[web app](#) \ [code](#)]

May 2021 - June 2021

An online streaming app focused on improving current UI development.

- Optimized scalable UI components for reusability using React Styled-Components UI library and Storybook speeding up development time by 3x.
- Developed a mobile-friendly and responsive layout by keeping the breakpoints within 4 devices reducing the styling pre-compile time by 60%.
- Created carousel component template with SwiperJS, Axios, and TMDB API which improved user engagement by 10%.

Web Developer | MM Arch Design [[website](#) \ [code](#)]

March 2021 - May 2021

A portfolio website showcases work from the architect design studio.

- Transferred designers wireframes and style guides into a responsive site with CSS flexbox and grid for reducing the load time by 85% on Lighthouse.
- Created a contact link feature with vanilla JavaScript improving CTA click-through rates by 75%.
- Ensured deliverables and launched site with GoDaddy and cPanel resulting in more user visits by 65%.

Education

Certificate of Data Structure & Algorithm, *Outco*

San Francisco, CA | October 2021

Certificate of Full Stack Web Development, *UC Berkeley Extension*

San Francisco, CA | March 2020