**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** [[code](https://github.com/Arcane-404/arcane-404-blog)] 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](https://the-netflix-clone-app.netlify.app/) \ [code](https://github.com/Arcane-404/netflix-clone)] 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](https://mm-archdesign.com/) \ [code](https://github.com/Arcane-404/Architecture-Portfolio)] 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