Andrew Aquino

Frontend Software Engineer

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Long Beach, CA

Professional Experience

Freelance Software Engineer   Jan 2017 – Present
- Leading an initiative to add UI tests with React Testing Library to a mature React project for Hack for LA.
- Writing an interactive data visualization article to illustrate culinary math with SvelteKit/SVG/D3.js.
- Implemented critical UI/UX improvements to a Vue executive reporting suite, including WCAG AA accessibility standards, to meet high-profile client needs on a tight timeline.
- Designed and developed a professional profile site for an actor, styled with Tailwind CSS and hosted on Netlify.
- Reduced a screen printing shop's order fulfillment time by 25% by creating an AngularJS drag-and-drop shipping label editor.

Frontend Engineer @ Square   Jul 2021 – Sept 2023
- Achieved 70x faster dev server refresh rates for HTML emails viewed by millions of users by architecting and leading development on a rewrite of a legacy build system to use SvelteKit as a static site generator.
- Automated file uploads to vendor 60x faster than manual form entry by writing a Node.js command line script.
- Implemented responsive Svelte components and JavaScript animations for international marketing pages on squareup.com.
- Led React pair programming interviews for frontend engineers.

UI Engineer @ Chairish   Dec 2020 – Jun 2021
- Generated over $11K in sales on launch day for a new marketing campaign by extending a marquee component to display as a sitewide banner.
- Attained 36x faster builds for a Django/jQuery ecommerce site's frontend by leading an initiative to adopt Vite as a build tool.
- Mentored teammates on accessible HTML and flexbox/grid CSS layouts during development and in code reviews.

UX Engineer @ Tallan   Jul 2018 – Jun 2020
- Designed and developed web UI/UX from user flows to prototypes and React/Angular/TypeScript code, including a chatbot admin platform and a personal finance app, for clients such as Valassis Digital and Experian.
- Built custom reporting data visualizations with D3.js.
- Led engineering team in requirements analysis and user testing.

Open Source Projects

[Excalidraw](#)
Contributed feature and bugfix code to a React/TypeScript whiteboarding app with over 300K monthly users.

[Creating a 10-Sided Die with React](#)
Wrote a blog post demonstrating 3D graphics programming with React, three.js, and react-three-fiber.

[Algorithm Arena #6](#)
Won 1st place in a hackathon for a React app that formats code using CSS masks.

Skills

Programming Languages
ES6 JavaScript, TypeScript, HTML, CSS/Sass, Python, C, C++, SQL

Frameworks & Libraries
React, Next.js, Svelte, Vue, Angular, Jest, D3.js, three.js, Django, Tailwind CSS

Deployment Platforms
AWS, Docker, Netlify

Design Tools
Figma, Photoshop, Illustrator

Languages
Spanish (proficient), Mandarin Chinese (familiar)

Education

Rensselaer Polytechnic Institute
BSc Computer Science, 2018

Community

Eagle Scout
Nov 2013

Rondalla Club of Los Angeles
Aug 2023