

Andrew Aquino

Frontend Software Engineer

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<https://aqandrew.com>

Long Beach, CA

Professional Experience

Frontend Engineer @ Coder

Dec 2024 – Present

- Led full rebuild of coder.com to coincide with company rebrand. Built and maintained this marketing/docs site using Next.js, TypeScript, Tailwind CSS, shadcn/ui, Motion, GraphQL, DatoCMS, and Algolia, prioritizing accessible UI elements and animations.
- Coordinated requests between design/marketing/product teams.
- Introduced a Storybook design system and Vitest to test and document components.

Freelance Software Engineer

Jan 2017 – Present

- Developed [Dicing an Onion, the Mathematically Optimal Way](#), an SVG/SvelteKit/D3.js interactive article for data visualization journal The Pudding. It became their most popular Instagram post (over 50K likes) less than 2 weeks after publishing.
- Led an initiative to add UI tests with Vitest and React Testing Library to 311 Data, a mature React project for Hack for LA.
- 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.

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 for a marketing campaign's launch day by extending a marquee component to display sitewide.
- Attained 36x faster builds for a Django/jQuery ecommerce site's frontend by leading an initiative to adopt Vite as a build tool.

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.

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, GraphQL, Python, C, C++, SQL

Frameworks & Libraries

React, Next.js, Svelte, Vue, Angular, Jest/Vitest, D3.js, three.js, Django, Tailwind CSS, Motion

Deployment Platforms

Vercel, Netlify, AWS, Docker

Design Tools

Figma, Photoshop, Illustrator

Languages

Spanish (B1), Japanese (N5), Mandarin Chinese (HSK 1)

Education

Rensselaer Polytechnic Institute

BSc Computer Science, 2018

Community

Eagle Scout

Nov 2013

Rondalla Club of Los Angeles

Aug 2023