

# Andrew Aquino

Frontend Software Engineer

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<https://aqandrew.com>

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](#)

Interactive blog post about 3D graphics programming with React and three.js.

### [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