Andrew Aquino

Frontend Software Engineer

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https://aqandrew.com
Long Beach, CA

Work Experience

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 Svelte components, animations, and responsive CSS for international marketing pages on squareup.com.
- Led React pair programming interviews for frontend engineer candidates.

UI Engineer @ Chairish
Dec 2020 – Jun 2021

- Generated >$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.

Freelance Web Developer
Jan 2017 – Present

- 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.
- Redesigned and developed a website and logo for an ear, nose, and throat medical practice using Jekyll and the Google Maps API.

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.

Applications Developer Intern @ AT&T
Jun 2017 – Aug 2017

- Prototyped AngularJS CSS animations on att.com's device recommender page with a goal to convert 40% of device upgrades to online.

Software Engineering Intern @ 3M HIS
May 2016 – Aug 2016

- Designed and developed UIs with Angular and TypeScript to manage users and visualizations of process log data in an internal dashboard.

Open Source Projects

Creating a 10-Sided Die with React, Part 1
Interactive blog post about 3D graphics programming with React.

FretZone
Clone of Guitar Pro tab editor with React and React Testing Library.

svelte-onion
Data visualization + culinary math exploration with SVG/Svelte/D3.js.

Skills

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

Frameworks & Libraries
Svelte, React, Redux, Jest, Angular, 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
Bachelor of Computer Science
2018

Community

Hack for LA
Mar 2024

Eagle Scout
Nov 2013

Rondalla Club of Los Angeles
Aug 2023