Andrew Aquino

Frontend Software Engineer

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Long Beach, CA

Work Experience

Frontend Engineer (Design Technologist) @ Square — Jul 2021 – Sept 2023

- Architected and led development on rewrite of a legacy HTML email build system using SvelteKit as a static site generator, leading to 70x faster dev server refresh rates.
- Wrote Node.js script to automate uploading HTML emails to vendor 60x faster than manual form entry.
- Implemented responsive CSS, animations, and Svelte components for international marketing pages on squareup.com.
- Led React pair programming interviews for frontend engineer candidates.

UI Engineer @ Chairish — Dec 2020 – Jun 2021

- Extended an existing marquee component to use as a sitewide banner for a new marketing campaign, generating >$11K in sales on launch day.
- Led an initiative to research and adopt Vite as a build tool, resulting in 36x faster builds for a Django/jQuery ecommerce site's frontend.
- 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.
- Created an AngularJS drag-and-drop shipping label editor for a screen printing shop that reduced order fulfillment time by 25%.
- Redesigned and developed a public-facing 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 interactive prototypes and Angular code, including a chatbot admin platform and a personal finance app, for clients such as Valassis Digital and Experian.
- Led engineering team in user-centric design workshops.
- Built custom reporting data visualizations with D3.js.

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 AngularJS to manage users and visualizations of process log data for 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/Pug, CSS/Sass, GraphQL, Python, C, C++, Java, SQL

Frameworks & Libraries
Svelte, React, Redux, Jest, Angular, Node.js, D3.js, three.js, Django, jQuery, Tailwind CSS

Design Tools
Figma, Sketch, Photoshop, Illustrator, InVision, Zeplin

Languages
Proficient in Spanish, familiar with Mandarin Chinese

Education

Rensselaer Polytechnic Institute
Bachelor of Computer Science, 3.4
2014 – 2018

Community

Rondalla Club of Los Angeles
Aug 2023

Eagle Scout
Nov 2013