

Andrew Lux

Creative Developer & Frontend Engineer

andrewlux.com
iandrewlux@gmail.com
(415) 724-5425

EXPERIENCE

Mastercard

Lead UI / Interaction Design Engineer

Sept 2025 – Present

HTML, CSS, JavaScript, TypeScript, Python

First Design Engineer for Mastercard AI Center of Excellence.

- Developed an AI-focused visual and interactive motion design system fully integrated into the Mastercard design and pattern library, enabling consistent, scalable experiences across AI-driven products.
- Established and led adoption of the AI application prototyping workflow within the Mastercard Databricks environment, mentoring developers on best practices and accelerating product delivery timelines.
- Led technical direction for modern front-end architecture within AI prototyping and experimentation environments, built testable prototypes for research, iteration, and validation.
- Partnered cross-functionally with key stakeholders across product, design, data science, governance, and backend engineering teams to translate complex business and AI requirements into scalable technical implementations, while advocating for user needs across platforms.
- Contributed across the full stack when needed, including API development, WebSocket-based real-time communication flows, backend services, authentication systems, and database integrations.
- Leveraged AI-assisted development tools including Claude code, Cursor and GitHub co-pilot to accelerate prototyping workflows within the AI Center of Excellence.

Codeword

Senior Creative Developer

Jan 2023 – Sept 2025

HTML, CSS, JavaScript, TypeScript

Content design agency with clients including Google, Qualcomm, and Snapchat

- Led the web team and oversaw all digital offerings at a creative agency, driving cross-functional collaboration across diverse tech stacks and client needs.
- Built a wildly interactive quarterly publication to showcase capabilities to potential clients. Working closely with Design and Content, rapidly prototyped bluesky creative concepts, including a website that auto-compiled from a collaborative Google deck and a Netscape Navigator emulation with insistent pop-ups and playable solitaire.
- Automated a manual process by integrating an external job board into Codeword's website using scheduled backend functions. Employed conditional logic in hourly API calls to extract, restructure, and restyle content to fit a detailed existing design.
- Developed enterprise-grade marketing websites combining modern front-end architecture with Supabase backend services to support user data collection, and campaign engagement initiatives.

Bizzabo

Creative Developer

Oct 2021 – July 2022

HTML, CSS, JavaScript, TypeScript

SaaS platform offering event management software

- Led standardization and redevelopment of Bizzabo's website after an external redesign, transforming an inconsistent jumble into a cohesive, accessible user experience. Scaled it up to a motion and interaction design library of reusable components, contributing to pattern documentation adopted company-wide.
- Prototyped and developed custom internal web apps with React, Next, and vanilla JS, removing blockers for the Sales team to let them focus on winning new business.
- Maintained and optimized marketing website's front end and back end infrastructure, serving thousands of daily users. Implemented continuous integration for seamless updates, boosting visitor engagement and setting the stage for A/B testing.

Eventbrite

Senior Designer / Developer

Jan 2019 – Apr 2021
HTML, CSS, PHP, Javascript

- Led a team of four Designers and Developers, providing mentorship and education through regular skill shares on industry standards and modern CSS features like Grid and Flexbox.
- Led an initiative ensuring ADA compliance for over 400 websites within a month. Trained the team in accessibility audits and best practices.
- Architected and promoted a library of reusable UI components, optimized for accessibility, SEO, cross-browser compatibility, and performance.

Eventbrite

Designer / Developer

Sept 2017 – Jan 2019
HTML, CSS, PHP, Javascript

- Successfully migrated over 400 websites from Ticketfly to Eventbrite without any downtime.
- Built a reputation as the go-to developer for designing and prototyping custom front end features for high value clients.

Ticketfly

Designer / Developer

Feb 2017 – Sept 2017
HTML, CSS, PHP, Javascript

All-in-one ticketing solutions platform focused on live music

- Collaborated with project managers, clients, and other stakeholders to design and develop websites that fit varying, complex needs: detailed venue filtering, dynamic music blogs, and high-traffic web sales.
- Created modern website themes and plugins using Javascript and PHP, streamlining the design and development process by simplifying initial site build.

C + H Design

Web Developer

Sept 2015 – Jan 2017
HTML, CSS, PHP, Javascript

Mid-sized web design agency with clients including UC Berkeley and other large institutions

- Built new modules and interfaces and integrated them into large websites with complex architectures.

SKILLS

Languages: HTML5, CSS3, JavaScript, TypeScript, PHP, Python, MySQL

Technologies: React, Next, Node, npm, Webpack, TensorFlow JS, Google Apps Script, LESS / SASS

Other: RESTful APIs, GraphQL, Wordpress, Databricks, Brightspot, Hubspot, Supabase, Cursor, Claude Code, GitHub Copilot