Karl Fleener | Front End Engineer

New York, NY   319.930.0603   karlfleener@gmail.com   LinkedIn   GitHub   Portfolio

Skills

React, Redux, JavaScript, Ruby, Rails, jQuery, HTML, CSS, Sass, Bootstrap, Node, Git, Adobe Creative Suite (Photoshop, Illustrator, XD)

Experience

Front End Engineer | Kinetx Co | New York, NY   May 2020 – Present

My role fuses engineering with design to advance the UI/UX of the Kino video communication platform.

- Leading website redesign to produce a more modern and aesthetically richer user interface.
- Collaborated on interactive product walkthrough, introducing, and educating users to core features of the app.
- Identified and reported over 100 bugs, errors, interoperability flaws, improving initial product launch.
- Created email marketing initiatives using SendGrid and HTML, informing clients on news and feature updates.

Full Stack Engineer | Pintoit | Live Site | GitHub   April 2020 – May 2020

Produced a Pinterest clone that allows users to share and organize pins to categorized boards.

- Ensured user privacy and autonomy through front end and back end authentication measures, only allowing logged in users to access and make changes to their content.
- Boosted application speed by eliminating N+1 queries and adhering to Active Record best practices, such as eager loading associated relations.
- Optimized app by connecting Rails to AWS for media storage, reducing server load, and improving scalability.

Front End Engineer | Felix | Live Site | GitHub   April 2020 – May 2020

Lead front end design and development for an app that provides curated content in sync with the user's mood.

- Crafted high-quality user interfaces and visual design from inception to launch of the web application.
- Incorporated React to minimize expensive DOM updates, elevating app performance.

Front End Engineer | Algorithm Visualizer | Live Site | GitHub   April 2020 – May 2020

Constructed a visualization tool that grants users access to see how sorting algorithms operate.

- Formulated iterative algorithms while leveraging generator functions for asynchronous programming, allowing Canvas to render sequential sorts.
- Integrated session storage to persist settings data over page reloads enhancing user experience.

Patternmaker | Ferrara Manufacturing | New York, NY   April 2019 – Sept 2019

Served as a Patternmaker who focused on driving custom pattern development and operation automation.

- Enabled automated cutting of plaid styles using Gerber, increasing productivity by 15% on matching styles.
- Engineered and aligned automated patterns to client specifications, reducing specification errors by 20%.

Education

App Academy | New York, NY   Jan 2020 – May 2020

16-week intensive full-stack software engineering bootcamp.

Iowa State University | Ames, IA   Aug 2011 – Dec 2015

Bachelor of Science in Apparel, Merchandising, and Design

Organizations

Gotham Volleyball | New York, NY   Feb 2017 – Present

Active member of LGBTQ+ nonprofit organization.

NAGVA | International   March 2018 – Present

Active member of LGBTQ+ nonprofit organization.