KARL FLEENER

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

SKILLS

React | Redux | JavaScript | Ruby | Rails | SQL | HTML | CSS | AWS

PROJECTS

Pintoit | React | Redux | Rails | AWS   Live | GitHub

A Pinterest clone that allows users to share and save pins to categorized boards
- Implemented custom back and front-end user authentication by combining Rails, Active Record, and customized React-Router higher order components.
- Integrated modals for CRUD actions with pins and boards enhancing user experience.
- Connected Rails back-end to AWS for media storage improving scalability and security.

Felix | MongoDB | Express | React | Node.js   Live | GitHub

An emotion-based media curation app
- Headed front-end development and product design while collaborating with 3 other Software Engineers
- Incorporated React-Redux to architect highly scalable and unidirectional front-end state management.
- Employed CSS flexbox for a compelling and dynamic product design.

Algorithm Visualizer | JavaScript | Canvas   Live | GitHub

An app displaying algorithm functionality
- Leveraged generator functions for asynchronous programming
- Designed graphics and animations utilizing Canvas

EXPERIENCE

Ferrara Manufacturing | New York, NY   April 2019 – September 2019
Patternmaker
- Built alteration libraries across 6 garment categories improving automated creation of custom patterns.
- Implemented data management and version control system allowing focus on data-driven development.
- Enabled automated cutting of plaid styles utilizing Gerber CAD Systems increasing productivity by 15%.
- Analyzed and aligned custom patterns to specification resulting in a 20% error reduction.

Resonance | New York, NY   April 2017 – March 2019
Patternmaker
- Managed pattern libraries and coordinated product development for 5 brands.
- Produced 15 new patterns or iterations per month expanding each brand's product count by 25%.
- Operated on an agile team with Design, Engineering and Sales responding to customer needs.
- Developed brand fit standards and boosted buying confidence of consumer by 10%.

EDUCATION

Full-stack Web Development Course | App Academy | New York, NY
Bachelor of Science, Apparel, Merchandising, and Design | Iowa State University | Ames, IA