

KELLY JIHYE KU

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SKILLS React, Redux, JavaScript, Express, Rails, Ruby, Node, PostgreSQL, HTML5, CSS, SCSS, AWS, jQuery, Git, Github, Webpack, Three.js, Ruby on Rails, MongoDB, Webpack

PROJECTS

Aesop | Ruby on Rails | PostgreSQL | React | Redux | HTML5 | CSS

[live](#) | [github](#)

Clone of Aesop.com, an E-commerce website that allows users to browse through and shop Aesop products

- Implemented triple nested Sidebar toggle functionality through React state management to display products by their categories and ultimately display detailed information about each individual product.
- Configured AWS and Rails backend to enable storing multiple image attachments for each product.
- Secured user's credentials using BCrypt for the backend and custom React AuthRoute for front-end authentication.
- Implement advanced CRUD feature with dropdown shopping cart and checkout system, accessible from every page.
- Integrated advanced Searching and Filtering based on product name, type, subcategory, and skin condition.

Records | JavaScript | HTML5 | CSS3 | Canvas

[live](#) | [github](#)

Custom animated HTML5 Audio Analyser graphic

- Sound visualizer app that uses Web Audio API in conjunction with JavaScript, Canvas, and CSS3 to visualize audio input.
- Utilized the Analyser Node to generate real-time frequency and time-domain analysis information of the audio file and plot processed data using Canvas and JavaScript to dynamically render frequency response graphics.
- Developed logic using JavaScript to directly modify stylings of individual elements using CSS3 in the DOM and develop circular graphics that produce 2D animated motion effects.

Delicieux | React | Node.js | Express | MongoDB | HTML5 | SCSS

[live](#) | [github](#)

MERN stack team-built meal planning web application where users are able to design, customize, and plan their weekly meals based on the ingredients they already have.

- Secured user privacy through Frontend Authentication, designing multi-step login/signup feature with custom errors. Implemented Auth and Protected Routes using react-router-dom, redirecting users based on their status.
- Optimized user experience by adhering to user-centered design principles, ensuring consistent flow of UI patterns to showcase a responsive web application with enhanced usability and user engagement.
- Used JavaScript to manipulate the DOM and create an interactive user interface that responds to various events.
- Designed layouts of components and integrated popup modals, sidebar, and advanced animations for seamless user experience and render an eye-catching web application.

EXPERIENCE

Teaching Assistant (Quantitative Analysis)

Cornell University

Dec 2018 - May

2019

- Supervised and instructed students on areas such as technical Excel skills, linear and multiple regression for data analytics, and estimation and hypothesis testing relating to one- and two-sample problems of means.
- Devoted 12-15 hours each week to office hours, grading, and lecture preparation for over 130 students, consistently proposing new ways with my team to deliver advanced concepts by foreseeing any struggles students might face, resulting in a 10% increase of average grades.
- Took initiative to design lecture videos using the editing software called Camtasia, editing and finalizing all chapter videos that highlighted key concepts in order to enhance productivity for my students.
- Guided students during in-class assignments, challenging them to analyze and present data through fundamental statistical methods in Excel, while addressing any technical and theoretical questions that arose.

Summer Intern

IOST Foundation

Jun 2018 - Aug

2018

- Oversaw the management of Korean news content for a crypto news application (Berminal), and collaborated with

Berminal leadership on facets of the app with 50K+ daily users and 1M+ total users.

- Generated consistent user retention by resourcing users with current market trends, market analysis reports, competitive analysis, and financial trends.
- Assembled research on Korean national policy and cryptocurrency regulations in addition to authoring 3-5 Berminal articles daily which increased user activity by 10K in one month.
- Created a marketing-plan on re-engaging and retaining investors through promotion of airdrop events and blockchain meetups.
- Translated English-Korean documents and composed report edits in preparation of the Mainnet launch. Catalyzed the app's capacity to support multiple languages.

EDUCATION

AppAcademy | San Francisco, CA

Fall 2019

Immersive software development course with focus on full stack web development with <3% acceptance rate.

Cornell University | Ithaca, NY

2016 - 2019

SJ Johnson College of Business