John Jaeyoung Lee

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Skills

JavaScript, React / Redux, Node.js, Express, Sequelize, Pug, HTML5 / CSS3, Python, Flask, SQLAlchemy, PostgreSQL

Projects

Tale of Task   live site | GitHub

JavaScript, Pug, Express

A Remember the Milk clone with gamification elements to encourage habit formation. Collaborative.

- Constructed RESTFul API backend routes in Express to handle the creation and manipulation of "task" resources to be rendered with Pug on the frontend.
- Utilized DOM manipulation for smooth transition between read-only and edit states of "task" resource components without disruption of elements' rendered dimensions.
- Created a set of helper functions that add CRUD functionality to relevant task-resource buttons both upon loading of DOM content and creation of new tasks.

Roll for Memory   live site | GitHub

JavaScript, React / Redux, Express

A one-page Evernote clone designed for tabletop role-playing planning.

- Capitalized on React's onKeyDown event listener to implement saving by way of keystroke combinations.
- Wrote a Redux action that accepted three parameters — a message, style, and visibility boolean — for use in conveying information to users in response to their actions with a message in the navigation bar.
- Automated selection of background images for notebook resources by finding the modulo of a notebook's id value divided by three, which in turn served as an index value for an array of possible class names.

Alter Self   live site | GitHub

JavaScript, Python, React / Redux, Styled Components, SQLAlchemy, Flask, Alembic, WTForms, Docker

A one-page comprehensive Dungeons and Dragons character manager.

- Implemented auto-updating in response to number input manipulation through use of React's useEffect hook and Redux, as well as debouncing to prevent a multitude of successive database requests.
- Combined conditional CSS application, React's useRef and useEffect hooks, setTimeout functions, and the Fisher-Yates Shuffle to render both sequential and randomized fade-in rendering of components.
- Made full use of Redux and Styled Components to store a theme state to be passed in as a prop to character page components to determine their styling and its persistence through navigation.

Experience

Tutor and College Applications Counselor | December 2015 - July 2021

SAT Professionals

- Regularly led SAT English classes of up to 25 students as well as one-on-one lessons with efforts resulting in an average increase of 100 points in students' overall scores.
- Guided 15 students in the conception and generation of over 100 personal statements and application essays in their efforts to apply to established American universities.
- Led our branch's hasty transition into remote teaching at the pandemic's onset, setting up relevant technologies such as Zoom and Google Forms and educating co-workers and supervisors on their application.

Education

App Academy | Spring 2022 | Remote

1000-hour immersive software development bootcamp with <3% acceptance rate that emphasized pair programming and agile workflow in acquisition of both front- and backend development tools.

Occidental College | Spring 2015 | Los Angeles, CA

BA in English and Comparative Literary Studies