SHANNON ZANDER

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SKILLS
Python | JavaScript | React | Redux | HTML | CSS | SQL | Flask | Express | Sequelize | SQLAlchemy | Docker | Mocha

PROJECTS

Euphony (Python, React, JavaScript, Docker, Socket.IO)   **live | github**

A casual hangout app where users can join servers and chat, based off of Discord

- Organized our team of four developers, acting as project manager to keep the team on track and collaborative.
- Used Socket.IO to implement live chat functionality, allowing users to see messages from others in real time.
- Refactored the Python - Socket.IO implementation to be multi-threaded to boost the speed of the application, enabling a better user experience through 15x faster load times in production.
- Authored a style guide, including sitewide styling, overall design guidelines, and base CSS classes for the entire team to utilize, allowing for more DRY CSS as well as a consistent look and feel to the site.
- Implemented a workaround for a circular dependency database issue, allowing for two tables that were mutually recursive to be created in tandem.

Headquarters (Python, React, Redux, JavaScript, Docker)   **live | github**

A minimalist, single-page team project management app inspired by Basecamp

- Achieved the minimal viable product two days into a two-week sprint, allowing for the completion of seven total features.
- Incorporated a live search, dispatching actions to the Redux store, to dynamically surface teammate information, allowing a user to search for colleagues to add to a project.
- Implemented breadcrumb navigation using React Router to pull information about nested features from the url path to improve user navigability.
- Designed a minimalistic, data-centric, and linear frontend experience using React conditional rendering to show and hide relevant information, allowing the user to focus on the goal of organizing their projects and tasks.

Mix It Up (JavaScript, Express, React, Redux)   **live | github**

A cocktail and bar exploration, discovery, and review site

- Leveraged React's unidirectional data flow architecture to consistently and predictably render DOM elements, controlling the overall data flow efficiently.
- Reduced server load by 23% by creating custom queries to serve data from multiple tables in a single SQL database query.
- Implemented CSS media queries and responsive grids to ensure a pleasant user experience at all screen sizes, including only serving the most crucial content on smaller screens where screen real estate is at a premium.
- Prioritized accessibility, using hidden form labels visible via screen reader while keeping clean UI on forms.

EXPERIENCE

Administrative Assistant

Colorado College Office of Communications   Feb 2020 - June 2021

- Analyzed user data to improve user experience via reconceptualizing the information architecture of COVID internal policies.
- Acted as the main content writer for the COVID-related portion of the college's website, doing basic web design.
- Conceptualized, pitched, and executed internal digital marketing campaigns to communicate stakeholder priorities, including writing two weekly newsletters (increasing readership by 40%).
- Worked in tandem with the college's Scientific Advisory Board as part of the COVID crisis communications team to communicate policies to both the college and the larger Colorado Springs area.

EDUCATION

Web Development | *App Academy* | *Spring 2022*

BA Philosophy and Classics | *Whitman College* | *2015 - 2019 | Honors in Major Study (Philosophy, Classics) | GPA 3.6 |*
Associated Students of Whitman College Outstanding Leadership Award