

# SHANNON ZANDER

(719) 213-0813

[shannon.e.zander@gmail.com](mailto:shannon.e.zander@gmail.com)

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

**SKILLS** Python | JavaScript | React | Redux | HTML | CSS | SQL | Flask | Express | Sequelize | SQLAlchemy | Docker | Heroku | Mocha | Chai | Node.js

## PROJECTS

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

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

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

- Organized our team of four developers, acting as task manager to keep the project 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 backend to be multi-threaded to boost the speed of the application, enabling a better user experience through 15x faster load times.
- 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, 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 using the Redux global store to dynamically surface colleague information, allowing a user to search for teammates to add to a project.
- Implemented a breadcrumb navigation bar using React to improve user navigability of nested features.
- Designed a minimalistic, data-centric, and linear frontend experience, allowing the user to focus on the task of organizing their projects and tasks.

**Mix It Up** (JavaScript, Express)

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

*A cocktail 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 overall server load by 23% by creating custom queries to serve data from multiple tables in a single SQL database query
- Utilized React and Redux to develop a single-page app, creating a fast, responsive, and linear user experience.
- Implemented CSS media queries and a responsive grid 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.
- Utilized React and Redux to develop a single-page app, creating a fast, responsive, and linear user experience.

## 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 data and 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.

- Designed graphics to reinforce priority messaging, including COVID policies, sustainability efforts, and antiracism/DEI priorities.

### **English Educator & Teacher Trainer**

*Peace Corps - Limpopo, South Africa*

July

2019 - Jan 2020

- Developed a foundational English program for a primary/secondary school with 350 children in Limpopo.
- Conducted a three-month participatory needs assessment and collected data from 78 interviews in Sepedi, culminating in a report to the local school which resulted in the implementation of my top four recommendations.

### **Research Assistant**

*Whitman College, Department of Philosophy*

May 2018 - Aug 2028

- Received a \$5,300 / 350 hour research grant to act as the translation and research assistant to Whitman College's Chair of the Philosophy Department.
- Provided editorial review to prepare philosophic papers for submission by providing critiques of central claims.
- Produced accurate Ancient Greek and Latin translations to bolster philosophic arguments.
- Compiled and assessed secondary scholarship as it related to the department chair's research interests.

## **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*

