

# Cam Chandler

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[Linkedin](#)

[Github](#)

[Portfolio](#)

**SKILLS** JavaScript, Python, React, Redux, HTML, CSS, Express, Sequelize, Flask, PostgreSQL, SQL

## PROJECTS

**HeartString** (CSS, HTML, React, Redux, JavaScript, Python, Flask, Flask-SQLAlchemy, PostgreSQL Socket.io, AWS, Styled-Components )  
[Live Site](#) | [Github](#)

*An alternative social media site where users make anonymous posts and choose one person to connect with from the replies*

- Engineered a series of custom Socket.io Websocket events. This allowed users to instantly message one another without drastically changing how information is routed and stored.
- Constructed modular react components to dispatch edit and delete thunks based upon a prop passed to the component. This made the code more DRY by reducing the amount of single-use components.
- Incorporated a self-referential SQLAlchemy table to represent user's connections with one another. This allowed for the reduction of database models by eliminating the need for a joins table, thus increasing scalability by making further development less dependent on the current database structure.

**Party-Lure** (CSS, HTML, React, Redux, JavaScript, Python, Flask, Flask-SQLAlchemy, PostgreSQL, AWS, Styled-Components)

[Live Site](#) | [Github](#)

*A responsive fullstack application for finding party members in a fictional MMORPG game.*

- Implemented the PostgreSQL array data type to track which roles were desired for a party on each post. This reduces the amount of tables stored in the database, this makes the code less complex without sacrificing functionality.
- Formulated an extensive search by taking advantage of flow control and conditionals. This implementation allows users to receive the information that they desire quickly by reducing the amount of data to be searched through with each input.
- Leveraged React's virtual DOM and conditional rendering to display information about a user's party when that party is clicked on. This allowed the profile page to both have only pertinent information while still allowing the user to access everything they would want to know.

**Elixir** (CSS, HTML, React, Redux, JavaScript, Express, Sequelize, PostgreSQL, AWS, Styled-Components)

[Live Site](#) | [Github](#)

*A fullstack review application where users can create drinks, leave reviews for drinks, and friend other users.*

- Created instance methods on Sequelize models. These increased abstraction by limiting points of interaction. They also make the code more DRY since the same operations don't have to be rewritten in multiple routes.
- Integrated AWS to allow users to choose profile and review pictures from their directory. Controlling the storage of user media increases reliability by ensuring the developer can confirm what is hosted.
- Employed the use of the Styled-Components npm package. Through using this package I was able to greatly ease development by minimizing the number of possible CSS collisions.

## EXPERIENCE

**Ambu-sure, Administrative Assistant** Orangeburg, SC

April 2017-May 2020

- Supervised the training of all drivers and patient attendants. Ensured all received necessary certifications as outlined by SC DOT and SC DHHS.
- Managed trip logs, employee compliance files, and correspondence between Ambu-sure and other parties.
- Acted as a liaison between patients, drivers, and medical facilities, ensuring that all expectations were clear and that any perceived problems were addressed promptly.

**Tri-county Technical College, Academic Tutor** Pendleton, SC

May 2018- August 2019

- Acted as a tutor for students pursuing undergraduate degrees in STEM, primarily tutoring students requiring assistance in more complex biology and chemistry concepts such as chi square analysis and Stereochemistry.
- Collaborated with other content specific tutors to develop study schedules to assist students adjusting to an academic environment.

**University of South Carolina, Research Intern** Columbia, SC

Jan 2016- August 2017

- Characterized the rheological properties of lung mucus using passive microrheology.
- Created R scripts to graph Brownian motion of particles
- Invited as a delegate to the University Global Symposium by faculty of the College of Science. Symposium facilitated networking and the sharing of research experience between students of diverse backgrounds with an interest in the global academic community.

## EDUCATION

**App Academy** Remote

2021

- Intensive 1000 hour full stack bootcamp with a 3% acceptance rate

**Clemson University - BS Biological Sciences** Clemson, SC

2016

- World renowned public university, courseload included a diverse array of STEM and humanities courses