CHRISTOPHER HAUSER

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SKILLS

JavaScript, Node.js, Python, React/Redux, Flask, Express, PostgreSQL, HTML/CSS, Docker

PROJECTS

Wordcipher | *(React/Redux, PostgreSQL, Flask, WTForms, WordsAPI)*   **live** | **github**

A re-creation of the popular word game, Wordle, with additional social features and functionality.

- Developed custom JavaScript game logic to listen for specific keypresses and dynamically update elements in the DOM, ultimately creating a clean, intuitive, and enjoyable user experience (UX).
- Integrated the WordsAPI to fetch random words for the game and optimized query parameters to ensure that words given to players would be guessable (i.e. no proper nouns, words used frequently in the English language, etc.).
- Designed additional social features including friends lists, friend challenges, and games from user-generated word lists, all made possible with join tables and database queries in a Flask/ PostgreSQL backend.

Pro.gram | *(React/Redux, PostgreSQL, Flask, WTForms, AWS S3 Cloud Storage)*   **live** | **github**

A photo-sharing social app inspired by Instagram, created with React/Redux, Flask, and PostgreSQL.

- Integrated the use of AWS's S3 cloud storage to create a scalable application that could handle many photo uploads without overloading the site's database.
- Optimized render times through the use of state with React/Redux technologies, allowing for data to be displayed on the page without the need for hard refreshes.
- Implemented modals with React context to lessen the amount of page navigation incumbent upon the user.

Rarebnb | *(React/Redux, PostgreSQL, Express, Sequelize, AWS S3 Cloud Storage, React Datepicker)*   **live** | **github**

A colorful clone of the well-known hosting site, Airbnb, built on React/Redux, Express, and PostgreSQL.

- Enabled comprehensive error handling through a combination of Sequelize ORM validations and frontend custom validations for both a cleaner database and more user-friendly experience.
- Leveraged React's state and selector capabilities to render edit / delete options only for authorized users.
- Thoughtfully organized and implemented react components to ensure clean code and frontend responsiveness.

Tale of Task | *(Express, PostgreSQL, Sequelize)*   **live** | **github**

A gamified task app that enables users to log tasks and create custom lists, all while gaining points to level up their hero.

- Employed extensive use of DOM manipulation to quickly update information on the page.
- Adhered to best practices for RESTful routing ensuring a clean transfer of data between the backend and frontend.
- Designed a game-inspired interface through the use of CSS3 and custom JavaScript logic to reward users for completing their tasks.

EXPERIENCE

Volunteer Coordinator - *Opera Theatre of Saint Louis*   Mar 2020 - Jul 2021

- Mobilized, adapted, and supervised the work of over 15 volunteer committees and more than 300 volunteers.
- Launched digital social programs on Zoom to maintain engagement with volunteers and other loyal patrons amidst the COVID-19 pandemic, while also successfully training many tech-averse individuals so they could participate.
- Redesigned the Opera Theatre Boutique's Square site for a cleaner and more streamlined user interface, allowing for increased digital sales during the pandemic.
- Compiled and analyzed company budget projections in collaboration with the Director of Administration to maintain programmatic quality while ensuring fiscal responsibility during challenging times.

EDUCATION

Ithaca College - *BA Voice Performance / BA Music Education, 2013-2018*

University of Cincinnati - *MA Arts Administration / MA Business Administration, 2018-2020*

App Academy - Studied in the intensive 24-week/1,000+ hour SWE immersive bootcamp, 2021-2022