

SKILLS

JavaScript, Python, Flask, React, Redux, PostgreSQL, MySQL, Jinja, Alembic, SQLAlchemy, Pug, HTML5, CSS3, Tailwind, Docker, Node.js

PROJECTS

Andromeda Plants (React, Redux, Flask, JavaScript, Python, PostgreSQL, Alembic, SQLAlchemy, Material-UI)

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

eCommerce hub for carnivorous plants

- Architected a dynamic user experience utilizing React components and AWS S3 to generate a robust selection of plant products coordinated by Redux states with features to search and sort products by names and categories.
- Constructed a library of Redux states and thunks for superior querying of product data as well as user processes to dynamically organize product quantities, user information, and associated images.
- Implemented a Flask backend application using SQLAlchemy to efficiently insert shopping data and query product information.

Petstagram (React, Redux, SQLAlchemy, Alembic, WTForms, PostgreSQL)

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

Image sharing social media platform designed for pets

- Established insert and query routes with Flask and SQLAlchemy to proficiently return data from multiple data models within a single request.
- Created ReactJS components for the comment and likes functionality for global utilization on the frontend application with algorithms tailored to different use case scenarios.
- Streamlined Redux state management by normalizing Redux state for efficient implementation for algorithms dependent on said states

BobbinHood (JavaScript, React, Redux, Express, NodeJS, PostgreSQL)

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

Mock stock trading application with an entomology theme

- Initialized authorization and password encryption through bcrypt to protect and organize data for different users accessing the site.
- Organized stock information through Redux states according to the portfolio of the current user for ease of data manipulation on the frontend.
- Categorized and displayed stocks sorted by symbol, name, and price so that users can access stocks according to a flexible range of criterias.

BadReads (JavaScript, Express, Pug, PostgreSQL, Node, CSS3)

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

Antithetical clone of the book review website GoodReads

- Designed a dynamic layout of books on the bookshelf of the authenticated user using pure vanilla CSS.
- Created frontend user input fields such as the capacity for users to save books as well as deletion from the bookshelf, add reviews and ratings.
- Implemented CRUD APIs to create AJAX requests when the user adds a book to their bookshelf instead of a full rerender on each query.

EXPERIENCE

Business Operations Analyst

YKK Corporation of America

May 2019 - Aug 2020

- Coordinated directly with the CEO on matters related to environmental sustainability of the manufacturing process as it related to cost and profit.
- Strategized with the VP of Risk Management to minimize liabilities and keep compliance on existing and future projects, as well as minor cash flow modeling for the captive insurance subsidiary.
- Created a value-added analysis on the relationship between proposed sustainability practices and effect on business processes reengineering.

Risk Advisor

Bethany Veasey State Farm

Mar 2018 - Feb 2019

- Consultant to small businesses on matters of potential risks and their effects on future business valuation.
- Collaborated with credit analysts in assisting clients to find the optimal coverage for their specific requirements.
- Compiled advanced excel spreadsheets on risk analysis for the current book of business.

EDUCATION

Web Development - App Academy | 2020 - 2021

BS Finance- Georgia State University | 2015-2020