

SKILLS: React, Redux, JavaScript, Python, Flask, SQLAlchemy, Sequelize, PostgreSQL, SQL, HTML, CSS, Heroku, Git, Test-Driven Development, Object-Oriented Programming, AJAX, Express.js, REST API, Node.js

PROJECTS:

Financial Friendship JavaScript, Python, Flask, SQLAlchemy, ReactJS, CSS3 WebPack [live](#) | [github](#)

Single-page application designed around the idea of helping the user be more in tune with the state of their finances.

- Created dynamic data-visualization charts using react-chartjs-2 to give users a perceptive representation of the state of their finances
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data for application to have scalability
- Designed React slices-of-state to create minimalistic modals for forms, this design feature ensures multiple child components are not opened simultaneously
- Managed create/review/update/delete functionality across multiple pages using RESTful API principles to establish maintainable codebase

spaceXchange JavaScript, Python, Flask, SQLAlchemy, ReactJS, WebPack [live](#) | [github](#)

Robinhood inspired stock-trading application with an intergalactic niche using Recharts for creative data visualization.

- Utilized a RaspberryPi to create a separate Express server acting as dynamic APIs for application data, allowing us to increase performance by handing off part of the workload
- Implemented Python package called BeautifulSoup to web scrape news/market data related and appropriate content to enhance user experience
- Leveraged a custom search bar utilizing objects stored in React/Redux state, then filtering based upon user input in order to reduce unnecessary database queries
- Adhered to React and ES6 best practices to generate a true single page reactive web application experience

Navigamer JavaScript, Express, Sequelize, Pug [live](#) | [github](#)

Web application built around the idea of collection shelves for video game enthusiasts with the ability to interact with other users' about their experiences with any game.

- Built using AJAX to asynchronously process data requests to reduce page refreshes, making for a more dynamic user experience
- Generated DOM manipulation through the use of custom event-listeners based upon user input to make application more responsive

EXPERIENCE:

Lead Winch Truck Operator

TP Services

June 2017 - Apr 2020

- Directed a group of 2 drivers and 4 laborers that would assist in logistical construction site preparations
- Trained novice drivers in safe winch and tanker operations, incident reporting, working as a team, and material handling according to company SOP
- Analyzed and restructured scheduling to create a win-win opportunity between management/employees, to create a system in which personnel had time off more often but could follow Department of Transportation laws and work more if desired

EDUCATION:

AppAcademy - Full stack development and software engineering fundamentals | 2021

Fairmont State University - Multidisciplinary Studies | 2010 - 2011