

**SKILLS:** React, Redux, JavaScript, Python, Flask, SQLAlchemy, Sequelize, Postgres, 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, PostgreSQL*   [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 library to give users a real-time snapshot of their finances, culminating in a strong UI / UX
- 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

## EXPERIENCE:

### Web Developer

*Agility Consultants, LLC*

Jan 2022 - Present

- Design applications/systems based upon specific client needs
- Work within a team environment to provide feedback on the direction of projects while identifying possible issues
- Maintain and debug live applications as well as projects currently in development

### Software Engineer Assistant

*App Academy*

Sept 2021 - Jan 2022

- Administering mock technical interviews (including systems design, DS&A, and technical trivia)
- Providing debugging and technical support on web applications for pool of 250+ engineers

### 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 DOT laws and work more if desired

### Bridge Crewmember (12C)

*U.S. Army Reserve*

Dec 2009 - Dec 2017

- Specialized in engineering/construction of bridge types to ensure military mobility across any gap, land or water.
- Operated light and heavy duty vehicles during combat-simulated missions
- Trained in land navigation, teamwork, combatives, firearms, and military operations in urban terrain

## EDUCATION:

AppAcademy - Web development, software engineering best practices and computer science fundamentals | 2021

Fairmont State University - Music Education / Civil Engineering | 2010 - 2011