

GRACE CHI

Software Engineer

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SKILLS

Javascript, Python, React, Redux, Flask, Node.js, Express.js, SQL, Sequelize, PostgreSQL, SQLAlchemy, HTML5, CSS3, jQuery, AWS S3, Git, Mocha, Docker, Heroku, Object-Oriented Programming (OOP), Test-Driven Development (TDD), REST APIs, Pair Programming, Agile Methodology, System Design

EDUCATION

App Academy | 1000+ hour immersive full-stack web development program, Feb 2022 - July 2022

The University of Texas at Austin | BSA, Nutritional Sciences, Pre-Health Professions Certificate, 2017 - 2021

PROJECTS

Beautsy | (Javascript, React, Redux, Python, Flask, HTML, CSS, SQLAlchemy, PostgreSQL, Docker, Heroku)

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

An e-commerce site where users can browse and purchase beauty products

- Leveraged **Redux** and **React Hooks** to optimize the information management of React components, dynamically utilize the browser's **local storage** as a shopping cart, display embedded links to products and create orders seamlessly.
- Designed **user interface (UI)** and **user experience (UX)** to maximize intuitiveness, velocity, and balance between functionality and aesthetic design.
- Ensured user security and authentication with **Flask-SQLAlchemy**, Flask WTForms, Flask-Login, **Regular Expression**, and custom client-side form validations to avoid unnecessary **AJAX** requests which improves performance.

Sea | (Javascript, React, Redux, Python, Flask, HTML, CSS, SQLAlchemy, PostgreSQL, Docker, Heroku, Recharts, Finnhub API)

Robinhood-inspired application for users to experience a mock-up of the stock market

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

- Integrated a **financial news application programming interface (API)** to fetch and display real-time general news and specific company news data on the frontend dashboard and stock details React components.
- Developed a comprehensive search feature that pulls results from PostgreSQL database allowing users to filter by keyword.
- Collaborated on a team of four engineers using **Agile methodology** to execute a viable product with four features in a week's sprint.

Flavr | (Javascript, React, Redux, Node, Express, HTML, CSS, PostgreSQL, AWS S3, Heroku)

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

Flickr-inspired application where foodies can connect through food photography

- Employed **Multer** with **Amazon (AWS-SDK) S3's** data storage infrastructure to upload and retrieve photo files, benefiting from its data scalability and capacity, resulting in improved page-load performance.
- Built a secure **user authentication** system, utilizing **Bcrypt** to hash and salt passwords, **CSRF attack prevention** and validation forms, to strengthen confidentiality of user data.
- Engineered backend **Express/Node** server routes and **Sequelize** joining queries (**REST API** and **PostgreSQL**), allowing for enhanced user experience when navigating through photos and comments CRUD features.

EXPERIENCE

Certified Nurse Aide

Five Star Care

Jan 2021 - Aug 2021

- Exercised acute attention to detail and daily personal care services for 30+ elderly residents at assisted living facilities.

Compounding Pharmacy Technician

Peoples Pharmacy

Sep 2019 - Oct 2020

- Formulated proprietary compounds to appropriate dosage for commercially unavailable prescriptions, meeting both technical and customer service needs.