Kevin Zheng

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Skills

React.js, Redux, Python, JavaScript, HTML5, CSS3, SQL, Flask, SQLAlchemy, PostgreSQL, Adobe XD, AWS, Heroku, Websockets, Webpack, Docker, Matlab

Projects

Harmony   live site | github

JavaScript , React / Redux , PostgreSQL , CSS3 , AWS , Heroku , Webpack, Python, Flask, SQLAlchemy, SocketIO

Real time messaging application inspired by Discord

- Utilized SocketIO to implement live chat functionality for concurrent users as well as receiving live notifications.
- Developed Full CRUD functionality for user profile and private messaging using backend API routes and redux store, allowing for users to create, edit, delete, and search information seamlessly and quickly.
- Integrated AWS S3 to store image uploads, reducing server load and allowing for apps to scale appropriately.

Calorie   live site | github

JavaScript , React / Redux , PostgreSQL , CSS3, Heroku , Webpack, Python, Flask, SQLAlchemy, Docker

Personal fitness application tracker for calories

- Integrated Flask API routes to implement full CRUD functionality for diaries, food entries, and exercise entries.
- Designed global redux state to track current date and render corresponding diary for user to input exercise and food intake.
- Integrated SQLAlchemy to facilitate flow of information from backend API routes to ORM database system, allowing for users to fetch data for the front end.

Wanderlust   live site | github

JavaScript , React / Redux , PostgreSQL , CSS3, Heroku , Webpack, BcryptJS, Faker, ExpressJs, HTML

Travel Organizer application inspired by Meetup

- Utilized Redux store on front end to track user admissions into groups and events, reducing stress and improving efficiency in the backend.
- Incorporated Bcrypt to create hashed passwords before storing into PostgreSQL database, ensuring user confidentiality.
- Integrated React Redux to render full CRUD chat through the store.

Experience

Project Engineer | January 2019 - July 2019
Unilever

- Project lead for $50,000 capital project as a part of a global initiative to digitize the manufacturing industry through integrating sensor technology to improve predictability of behaviour and failure of existing systems.
- Implemented PI System using Microsoft Azure for real-time data collection and rendering of plant lines
- Acquired over $137,000 savings for the plant via successful plant trials.

Education

App Academy | Fall 2021 | Online
1000+ hours software development course focused on full stack web development with an acceptance rate of 3%

University | Class of 2021 | Evanston, IL
Northwestern University, Bachelors of Science in Mechanical Engineering