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, Cyber Security

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

Calorie   live site | github

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

Personal fitness application tracker for calories

- Developed Flask API routes to implement full CRUD functionality for hundreds of food and exercise entries.
- Designed redux state to track dates and render corresponding diary for user to input exercise and food intake.
- Integrated SQLAlchemy to facilitate flow of information from API routes to relational database systems.

Wanderlust   live site | github

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

Travel Organizer application inspired by Meetup

- Enlisted redux store on front end to track user admissions into over 200 groups and events.
- Incorporated Bcrypt to create and store hashed passwords into PostgreSQL database for user confidentiality.
- Established React Redux to incorporate full CRUD comments through the store, reducing load on backend.

Experience

Software Developer | Sept 2021 - Present

Raytheon

- Conceived in-house solutions and products to support MDR teams, automating 40 hour processes via scripts.
- Integrated ThreatConnect TIP to work with current tools via API and playbook implementation.
- Updating legacy projects to be compatible on the newest versions of modern tools and platforms.

Project Engineer | January 2019 - July 2019

Unilever

- Led a $50,000 project using sensor technology to facilitate predictability of failure in existing systems.
- Designed PI System using Microsoft Azure for real-time data collection and optimizing seven plant lines.
- Cultivated over $137,000 savings for the plant via facilitated plant trials and modernizing the workplace.

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