Kaiter Wu: Software Engineer

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Skills

React.js, Redux, JavaScript, HTML5, CSS3, Ruby, Ruby on Rails,, SQL, postgreSQL, AWS, Render, Git, Webpack, MongoDB, Mongoose, Express,R,MATLAB,Python,C#, PTC Creo, Fusion 360, Abaqus CAE

Projects

Cycle   live site | github

A real-time weather application using: vanilla JavaScript,D3,HTML5,CSS3.

- Integrated D3.js, to render weather data from Visual Crossing to render interactive weather graph models.
- Generated dynamic DOM elements and modal manipulation in HTML to imitate web page routing while also rendering dynamic data visualizations.
- Implemented input system for users to access weather data from 30 years in the past, to an indefinite time in the future that dynamically affects graphical model renders.

Spacebook   live site | github

A Facebook inspired application using: Rails, PostgreSql,JavaScript,React/Redux,HTML5,CSS3

- Incorporated local state with React/Redux, implemented a dynamic system to conditionally allow users to edit their own components, including user posts,comments,profile pages, and likes.
- Utilized polymorphic associations to create a "like" object class that can be used alongside posts and comments objects interchangeably.
- Integrated AWS s3 cloud storage and Rails Active Storage to store user profile/ cover photos and render reactive image preview in real time.

What-AI-Want   live site | github

A group collaborative image generation application utilizing AI: Mongo,Express,React/Redux,Node,AWS,HTML5,CSS3

- Customized asynchronous promise chains to render images generated by openAI and gave user options to save renders with HTML and react DOM manipulation.
- Implemented full CRUD functionality for image preference lists, generated images, and user profiles.
- Curated user preferences for image generation by a series of input options that are incorporated with pre-written query-strings to allow for optimized image fetches from openAI API.

Education

App Academy | Winter 2023 | New York, NY

In-depth software development course with focus on full stack web development and group programming.

Stony Brook University | Spring 2018 | Long Island, NY

Honors College (<9% acceptance rate), Presidential Scholarship
B.E in Biomedical Engineering; Graduated Magna Cumme Laude

Recent Experience

Clinical Engineer | September 2020 - December 2022 | **Northwell Health, LIJ Medical Center**

- Managed, maintained, and repaired specialized hospital machinery across several disciplines. Orchestrated departmental inspections and coordinated with clinical staff/management. Maintained a 95% success rate.
- Collaborated in organizing a multi-million dollar deployment project replacing medication infusion devices. Authored a multi network analytic report of said devices that investigated mechanical failure/success rate.

Field Engineer/Intern | August 2018 - August 2020 | **Crothall Healthcare / NYCHHC Network**

- Exhaustive training in specialized medical device management and communication with clinical staff.