

Kaiter Wu: Software Engineer

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New Hyde Park, NY

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

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

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.

Cycle

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

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

- Integrated D3.js to generate and animate circular (donut) graphs to render weather data from [Visual Crossing](#) API to create 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 date input and customized API fetches users can render past and future data.

Spacebook

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

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

- Using Redux state and identifying logged in users, gave users the ability to edit their own components, including user profile page, posts, comments, and likes.
- Utilized polymorphic associations with posts and comments features so both can be "liked".
- Integrated AWS s3 cloud storage and Rails Active Storage to store user profile/cover photos and render reactive image preview in real time.

Recent Experience

Biomedical Engineering Specialist | September 2020 - December 2022 | Northwell Health, LIJ Medical Center

- Managed, maintained, and repaired medical devices across disciplines, orchestrated departmental device inspections while maintaining a minimum 95% device operational rate.
- Collaborated in a multi-million dollar deployment project replacing medication infusion devices. Authored a multi network analytic report of said devices that investigated device failure rate. (<95%)
- Coordinated project deployments, emergency repair calls, and device inspections with a diverse set of staff including engineering, hospital management, vendors, manufacturers, and out of network employees.

Education

App Academy | January 2023-April 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 Cum Laude