

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

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 so posts and comments can both have child "like" objects.
- 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 Cum 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.