

Susan Zea - Software Engineer

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links: [PORTFOLIO](#)

[LINKEDIN](#)

[GITHUB](#)

Science educator turned software engineer excited to embark on a career as a professional programmer. Highly organized and appreciates the details. Supportive team player and goal-oriented.

Skills

React/Redux, Javascript, Ruby/Ruby on Rails, Node.js, Express.js, HTML/CSS, Mongoose, MongoDB, SQL, SQLite3, RSpec, PostgreSQL, Webpack, jQuery, Git, Heroku, TDD, OOP, Sass, Google Maps API, Google Earth Engine, Spanish (native)

Projects

Trello | JavaScript, React / Redux, Ruby on Rails, postgresSQL, HTML5, CSS3, Heroku, Webpack

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

Fullstack clone of the collaborative productivity website Trello

- Independently designed and engineered fullstack aesthetic and functional clone of Trello's workspaces, board, list, card, and comment features in 14 days immediately after being introduced to the React language
- Increased site loading speed as a result of efficiently managing Redux state by only fetching needed website components based on user activity
- Replicated quick signup feature by passing input user email from splash page to sign up page using Redux state
- Implemented user authentication functionality consisting of signup, login, demo, and protected routes

<HypeCode/> | MondoDB, Express, React/Redux, Node.js, postgresSQL, HTML5, CSS3, Heroku

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

HTML Coding Environment with Syntax Highlighting Custom Designed for Complete Beginners built in 4 Days

- Served as lead developer on a team of 4 in the creation of the application by designing and adapting short and long terms objectives and goals, leading twice-daily progress check-ins, and making directional decisions
- Built custom code-editor using Codemirror library that live renders and highlights input HTML code in live time
- Implemented jQuery to select and color input HTML tags and rendered output by tag name in order to make the language more conceptually accessible and understandable to complete beginners

Experience

App Academy | May 2022 - Present | Remote

Jr. Hacker-in-Residence

- Interviewed prospective coding bootcamp students and provided one on one technical support to enrolled students

Girls Who Code | June 2021 - August 2021 | Remote

Self Paced Program Advisor

- Taught introductory HTML, CSS, and JS courses to 60 highschool students that centered around helping them each create a personal website and build community with other students from across the country
- Hosted discussions centered on highlighting individuals from under represented groups who have impacted the computer science field

DeWitt Clinton High School | August 2018 - September 2021 | Bronx, NY

Science Teacher

- Recognized for ability to focus on positive student user experience and proactively keep up with fast-paced changes in state learning standards and in turn designated as curriculum lead for Earth Science department
- Achieved a 32% higher student passing rate than the district average during the 2020-2021 school year by creating flexible Google Classroom based curriculum that dynamically adapted to student level, special education needs, and English language learner status

Education

App Academy | Immersive 1000 hour fullstack software development course with < 3% acceptance rate | 2022

Relay Graduate School of Education | Secondary Science Education, MAT | 2020 | New York, NY

Lehigh University | Dual Degree in Earth & Environmental Sciences and English, BA | 2018 | Bethlehem, PA

Volunteer

Coding With Friends | Volunteer HTML/CSS instructor teaching students aged 7 to 13 | 2022