

SPENCER IASCONE

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SKILLS

JavaScript, React, Redux, Ruby, Rails, HTML, CSS, SQL, PostgreSQL, MongoDB, Express, Node.js, Tone.js

PROJECTS

THOUGHT BOARD (MongoDB, Express, Node.js, React, HTML, CSS)

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

Thought Board is a web application where users can visually organize their thoughts and create connections between them.

- Utilized the MERN stack in collaboration with colleagues to design UI with virtual bulletin boards and movable notes.
- Integrated Multer and AWS S3 to allow users to upload images.
- Integrated AWS S3 with MongoDB so that user uploaded images could be instantly retrieved and displayed.

GROOVE MACHINE (JavaScript, Tone.js, HTML, CSS)

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

Groove Machine is a 32 step sequencer where users can create and manipulate original rhythm and melody loops.

- Utilizing HTML5, CSS and JavaScript, designed original UI including playback, tempo adjustment and resets that allow users to dynamically interact with and create original music.
- Integrated Tone.js to generate unique sound samples, optimize the overall application size and improve performance by removing the need for an audio library.
- Utilized complex DOM selection to create a simultaneous synthesis and playback sequence that allows users to manipulate their musical creations in real time.

MAKEABLES (Rails, React, Redux, JavaScript, PostgreSQL, HTML, CSS)

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

Inspired by Instructables, makeables is an online community for makers, builders and DIY's and their projects.

- Integrated Rails ActiveStorage with AWS S3 to allow users to upload images.
- Implemented a preview feature by querying Active Storage to allow users to inspect their images prior to uploading.
- Utilized HTML, CSS, React and Redux to create a single page application that provides users a friendly and intuitive interface.

EXPERIENCE

Software Engineer Intern

Community Financial Resources

May 2020 - Present

- Writing SQL queries to assist in the analysis of financial transaction behaviors and trends.
- Providing UI Spec documentation to improve communications between the Management and Development teams.
- Learning the Xamarin mobile application framework (.NET, C#) and testing application functionality.
- Providing assessment reports regarding the difficulty/feasibility of desired changes to CFR's mobile application.

Owner Operator

Let's Fix That! Handyman and Home Repair Services

Sept 2016 - Dec. 2019

- Operated a successful home repair business in California's San Francisco Bay Area.
- Developed sustainable relationships with clients resulting in increased client retention and new client referrals.
- Developed instructional lessons for customers interested in learning how to manage their own home maintenance.
- Maintained complex schedules that balanced multiple build components, deliverables and other repair crews.

Editor

UC Agriculture and Natural Resources dept. of Integrated Pest Management (IPM)

Feb 2015 - July 2015

- Fact checked Pest Management Guidelines (PMGs) reviewing best practice recommendations provided by academic staff of the UC Statewide IPM Program.
- Reviewed and edited PMGs focusing on pesticide and herbicide dilution calculations for crop application.
- Provided detailed oriented research and data analysis that lead to the publication of 22 PMGs in 5 months.

EDUCATION

Full Stack Development Certificate - App Academy | Spring 2020

BA Music Composition - University of California, Davis | 2007 - 2012