

# 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 original 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

### 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.

### Assistant to the Associate Vice President

*UC Agriculture and Natural Resources*

Mar 2014 - Dec 2014

- Developed positive client and visitor rapport by providing excellent customer service.
- Managed daily operations for UC ANRs staff and guests including meeting preparation, scheduling, and receiving visitors.
- Provided assistance on numerous departmental projects while maintaining daily operations.

## EDUCATION

**Full Stack Development Certificate** - App Academy | Spring 2020

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