# SPENCER IASCONE

(209) 484-6023    spencer.iascone@gmail.com    **ANGELLIST   GITHUB   LINKEDIN   PORTFOLIO**

## 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

**Information Technology Intern**
*Community Financial Resources*                                                                                                      May 2020 - Present
- 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*