

# SPENCER IAScone

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**SKILLS** JavaScript, React, Redux, Rails, HTML, CSS, SQL, WordPress, MongoDB, Express.js, Node.js, Angular.js, ASP.NET, C#

## EXPERIENCE

### Instructor

*App Academy*

Dec. 2021 - Present

- Create and maintain content and tools used across a/A Academics (Instruction, Curriculum, Engineering).
- Cultivate a safe and inclusive instructional environment for both students and staff.
- Provide training and mentoring to Instruction Assistants.

### Instruction Assistant

*App Academy*

March 2021 - Dec. 2021

- Contribute to/maintain instructional content/tools used across a/A Academics (Instruction, Curriculum, Engineering).
- Mentor 12 - 15 students every 16 weeks while providing technical and conceptual assistance to ensure student success.
- Conduct lectures on technical concepts including but not limited to: JS, SQL, Git, OOP, RoR, Meta Programing and User Auth.

### Software Engineer Intern

*Stickyleaf Software Inc.*

Jan. 2021 - March 2021

- Contributed to Stickyleaf's product codebase by implementing feature enhancements and bug fixes (AngularJS, ASP.NET).
- Developed advanced marketing web campaigns in collaboration with Stickyleaf's marketing team (WordPress).
- Participated in pair-programing, development sessions, code reviews and tech talks.

### Software Engineer Intern

*Community Financial Resources*

May 2020 - Dec. 2020

- Wrote SQL queries to assist in the analysis of financial transaction behaviors and trends.
- Developed UI Spec documentation to improve communications between the Management and Development teams.
- Provided 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.
- Maintained complex schedules that balanced multiple build components, deliverables and other repair crews.

## 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.*

- Utilized HTML5, CSS and JavaScript, to design original UI allowing users to dynamically create their own music.
- Integrated Tone.js to generate sound samples and optimize application performance, removing any need for a sound library.
- Utilized complex DOM selection to provide users a real time synthesis and playback sequence generator.

**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.

## EDUCATION

Full Stack Development Certificate - App Academy | Spring 2020

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