

DAVID E. COHEN

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Technologies

- Proficient: JavaScript, Node, Express, Sequelize, PostgreSQL, React, Redux, HTML5, CSS3, Bootstrap, Git
- Knowledgeable: Python, Electron, React Native, SASS, JQuery, Aurelia JS, Webpack, Mocha, Chai, Heroku, Jekyll, Wordpress, Chrome Extensions
- Some experience: AngularJS, Amazon AWS, Gulp, Swift, PHP, C

Projects

Vocode | *Developer* | vocode.herokuapp.com Mar '18 - present
Desktop application that allows users to assign snippets to their clipboard and visit websites with their voice using a globally available hotkey. Users can add other user snippets, create new snippets, and manage their snippets.

- Designed interpreter dictionary, decoder algorithms, and core UX features
- Implemented main microphone with WebAudio API and desktop hotkeys using Electron.js

Daft Thunk Direct | *Developer* | daft-thunk-direct.herokuapp.com Feb '18 - Mar '18
Ecommerce platform to sell music equipment. Customers can create carts and add products with and without accounts. Administrators are able to update core business functionality.

- Designed database architecture with Sequelize ORM and PostgreSQL
- Set up authentication with email and Google OAuth using Passport.js
- Developed site-wide user and administrator features with React, Redux, and Semantic UI

Random Music Generators | *Developer* | <https://goo.gl/3uVUmV> Jun '17 - Feb '18
Users can generate unlimited unique melodies with easily changed parameters including tonality, rhythm, and interval jumps. These melodies can be previewed in-browser and downloaded as MIDI.

- Built custom grid display for the preview visualizer using Tone.js, MidiWriterJS, React, Semantic UI, and an interval scaling algorithm

Tech Effects | *Sole Developer* | scraggo.github.io Jun '17 - present
Personal site which contains original tech industry blog posts and portfolio.

- Developed static site with Jekyll, SASS, and Markdown

SongMind Studios | *Sole Developer-Founder* | SongMindStudios.com Jun '16 - present
Music business website to promote recording, composition, and educational services.

- Designed custom Wordpress site hosted by Hostgator and wrote articles monthly for blog
- Acquired clients through SEO, email subscriptions services, and social media marketing

Work Experience

Fusion Academy | *Instructor-Mentor* | Chicago, IL Apr '17 - Dec '17

- Taught one-on-one classes to 8-12 students every 3 months
- Designed individualized curricula for all classes taught including programming (HTML, CSS, JavaScript, and Python), recording engineering, instrumental technique, and music theory
- Adapted pace and material to suit the psychological and emotional needs of each student

Treklee Travel | *Developer Assistant* | Remote Jun '17 - Oct '17

- Provided business consultation and expertise on product design and development timelines during weekly meetings
- Conducted research on front-end Javascript frameworks to help improve speed of crucial flight sorting algorithm
- Collaborated remotely with 3 person project team using Agile (JIRA)

Education

Fullstack Academy | Chicago, IL Jan '18 - present

- Immersive 3-month software development bootcamp

Peabody Conservatory of the Johns Hopkins University | Baltimore, MD Sep '02 - May '07

- Bachelors of Music in Recording Arts, Bachelors of Music in Composition
 - Entrance scholarship (Composition), Career Development Grant, 3.62 GPA
 - Relevant Coursework: Electrical Engineering, Digital Signal Processing