DAVID E. COHEN
Chicago, IL | scraggo.github.io | linkedin.com/in/scraggo

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

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 create, edit, and add other user snippets, and manage in one place.
➢ Designed interpreter dictionary, decoder algorithms, and core UX features
➢ Implemented Codemirror text editor with React and main microphone with WebAudio API to send base 64 audio to Google Speech API
➢ Configured desktop hotkeys, tray icons, menu shortcuts, and Notifications API using Electron

Daft Thunk Direct | *Developer* | daft-thunk-direct.herokuapp.com   Feb '18 - Mar '18
Full-featured e-commerce platform. Customers can add products and checkout their carts with and without accounts.
➢ Designed database architecture and developed site-wide user and administrator features
➢ Set up authentication with email and Google OAuth using Passport.js

Random Music Generators | *Developer* | https://goo.gl/3uVUmV   Jun '17 - Feb '18
Users can generate, preview, and download unlimited and unique musical melodies.
➢ 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 software engineering articles and portfolio.
➢ Developed static site with Jekyll, SASS, and Markdown

Work Experience
Treklee Travel | *Developer (Contract)* | Remote   May '17 - present
➢ Converted wireframes from designer into fully-functional and reusable React components
➢ Integrated front end features of the core application with REST API calls to Java back end
➢ Provided business consultation and expertise on product design and development timelines during weekly meetings
➢ Conducted web-performance research to help improve speed of crucial flight sorting algorithm

Fusion Academy | *Instructor-Mentor* | Chicago, IL   Apr '17 - Dec '17
➢ Taught one-on-one and group classes to 8-12 students ages 10-18 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

SongMind Studios | *Sole Developer-Founder* | SongMindStudios.com   Jan '16 - present
➢ Started music business 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

Education
Fullstack Academy | Chicago, IL   Jan '18 - Apr '18
➢ 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
  ❍ Relevant Coursework: Electrical Engineering, Digital Signal Processing