

Gregory M Kohler

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Projects

[houndclou.de](#) · [github](#)

React on Rails app inspired by SoundCloud and Grooveshark.

- Audio player built with Flux architecture allows for continuous playback and queue manipulation.
- Synchronizes states of song views and audio player via conditional event listeners, allowing for song comments to display at a specified time within a song.
- Utilizes custom SQL queries to provide dynamic search suggestions and to create a subscription feed that includes reposts of subscribers.

[synthesizer](#) · [github](#)

Work in Progress: Virtual Synthesizer built with the Web Audio API

- Modular JS and React components allow for easy manipulation of Web Audio API parameters to create complex waveforms.
- Recording and looping of tracks supported via a JS object and Flux architecture.

Rails Lite · [github](#)

Ruby web server MVC framework inspired by the functionality of Rails

- Built a controller class capable of handling route requests from a simple HTTP server.

Skills and Interests

JavaScript, React.js, jQuery, Node, Ruby on Rails, SQL, Ruby, git, HTML, CSS, Rspec, Capybara, Jasmine, Mathematica, MATLAB, squash, cooking

Education

[App Academy](#) · San Francisco, CA · August-November 2015

Full-stack web development course · acceptance rate < 5%

BA · Physics

Reed College · 2014 · 3.68 GPA

Senior Thesis: *Bound States in Singular Potentials*, advised by J. Franklin, professor of physics.

- **Curriculum Highlights:** Scientific Computation, Algorithms & Data Structures, Linear Algebra, Multivariable Calculus I/II

Experience

Patent Technology Specialist, Alleman Hall LLP (Aug 14 – Jul 15)

- Drafted and submitted 15+ patent applications, primarily regarding engine control algorithms for a global automotive company.
- Prepared responses to USPTO actions, successfully furthering the prosecution of dozens patent applications.