

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.

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.

[asteroids.js](#) • [github](#)

Classic from Atari rebuilt for the browser

- Utilizes asynchronous callbacks and custom keybindings for improved gameplay.

Skills and Interests

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

Education

[App Academy](#) • San Francisco, CA • August-October 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.