

Sam Tchen

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Projects

HearHear – Full-stack Engineer

[Live](#) | [Git](#)

Music sharing platform built with Ruby on Rails and Backbone.js

- Allows continuous playback while browsing, using a custom audio player built with jQuery, Web Audio API, Javascript, and HTML5.
- Implemented pagination with Kaminari plugin to reduce load time of music library.
- Dynamic search results based on user applied filters using custom Rails Routes and Backbone Views.

OrganGrinder – Full-stack Engineer

[Live](#) | [Git](#)

Virtual musical organ built with Ruby on Rails, React.js and Flux architecture

- Ability to persist current track using Stores.
- Uses Postgres database to save track recordings.

Snake – Front-end Engineer

[Live](#) | [Git](#)

Classic arcade game built with HTML5, CSS3, Javascript, and jQuery

- Saves current session high score through local variables.
- Uses custom styling to create an 8-bit look.

Chess – Back-end Engineer

[Git](#)

Command line version of Chess built with Ruby

- Utilized the OOP paradigm to implement a multi-level class hierarchy
 - Chess AI that determines all possible moves for each piece, prevents checkmate.
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Skills

Ruby, Ruby on Rails, Backbone.js, React.js, jQuery, Javascript, Git, SQL, HTML5, CSS3

Experience

Trust Company of the West

2012 - 2015

Mutual Fund Administrator

Los Angeles, CA

- Designed and implemented new features to automate Fund Administration processes that improved efficiency by up to 50%.
 - Led discussions with team members and senior officers to determine bottlenecks and develop improvements to our process.
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Education

App Academy

Summer 2015

Full Stack Web Development Course with acceptance rates < 3%

- Focus on web development and agile methodologies
- Strong emphasis on code quality and design patterns

University of California, Los Angeles

June 2009

B.A. Economics

- Specialization in Computing
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in www.linkedin.com/in/SamTchen

🐙 www.github.com/samtchen