Sam Tchen

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Projects

HearHear   **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   **Live** | **Git**
Virtual musical organ built with Ruby on Rails, and React.js
- Utilizes Flux architecture for unidirectional data flow.
- Ability to persist current recorded track using Stores.

Snake   **Live** | **Git**
Browser version of a classic arcade game
- Built with HTML5 and Javascript
- Uses jQuery and CSS3 to create an 8-bit look

Chess   **Git**
Command line version of Chess built with Ruby
- Multi-level class hierarchy to keep code DRY
- Chess AI that determines all possible moves for each piece, prevents checkmate.

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.

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 (C++, Java)

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