


# Huan Ji

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## Projects

### BandHaven | *Full Stack*

[Live](#) ● [GitHub](#)

Application for music discovery, built with Ruby on Rails and React.js on Flux architecture

- ❑ Combines React routes and AJAX requests to achieve single page application and authentication
- ❑ Customized HTML5 audio players keep in sync with user interactions through React Flux cycles
- ❑ Utilizes React transition library to implement custom route-based sliding page transitions
- ❑ Leverages adaptive database SQL queries for music discovery feature with interactive filters

### Robot Unicorn Attack Extreme | *Front End*

[Live](#) ● [GitHub](#)

Javascript side scroll game inspired by Robot Unicorn Attack, using Phaser.js game engine

- ❑ Provides accurate collision detection against complex terrain through polygonal texture mapping with Phaser P2 physics engine
- ❑ Implements three layers of parallax environment using Phaser tilesprite animation for 3D immersion

### Rails Lite | *Framework*

[GitHub](#)

Backend application framework inspired by Rails, includes ORM inspired by Active Record

- ❑ Creates temporary flash storage by limiting cookie retrieval to current or next request cycle
- ❑ Implements middleware features such as custom exception pages and static assets using Rack
- ❑ ORM leverages abstracted, sensible SQL queries and Ruby metaprogramming capabilities

## Skills

Ruby                      Javascript              Node.js              jQuery              HTML              git              Redux  
Ruby on Rails          React.js              Webpack              SQL              CSS              RSpec              TDD

## Experience

### Transcriptic

Menlo Park, CA

Software Engineer (Full Stack)

**February 2016 - Current**

- ❑ Built and implemented full stack system to auto replenish inventory based on usage rate
- ❑ Converted webapp from depending on rails asset pipeline to detached Webpack based SPA.
- ❑ Built flux based HOC to create/manage all app modal components and component states

## Education

### App Academy

**October 2015-January 2016**

Intensive Full Stack Web Development Course with 3% acceptance rate

San Francisco, CA

### University of California, San Diego

**2009 - 2011**

Bachelor of Science in Biology, Neuroscience and Physiology

San Diego, CA

 [huan-ji.me](http://huan-ji.me)

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