

Sai Kandala

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Projects

Songstorm (Ruby on Rails, Backbone.js)

[Live](#) | [Github](#)

- Music sharing application inspired by Soundcloud
- Uses Rails and PostgreSQL to manage back-end data
- Uses global Backbone Views on the front-end to give the user an interrupted listening experience as they navigate from page to page

Space Invaders (Javascript, HTML5 Canvas)

[Live](#) | [Github](#)

- Uses Modular Javascript to organize and DRY up code

Active Record Lite (Ruby)

[Github](#)

- Uses Ruby metaprogramming to create ORM inspired by Active Record
 - Avoids SQL injection by escaping potentially dangerous queries
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Skills

Ruby, Ruby on Rails, Javascript, Backbone.js, jQuery, SQL, Git, HTML, CSS, RSpec, TDD

Education

App Academy

Web Development, November 2014 - February 2015

- 3-month, intensive web-development training course
- Focuses on full-stack development through pair-programming
- Less than 5% acceptance rate

Rutgers University (Dual Bachelors)

Dual Bachelor's: Physics, Philosophy, September 2008 - May 2013

- **Physics** GPA: 3.2, **Philosophy** GPA: 3.5, **Minor**: French
 - **Relevant Coursework**: Calculus I through Differential Equations, Applied Symbolic Logic, Modal Logic
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Work History

Cambridge Educational Center - Tutor

April 2014 - October 2014

- Designed and taught curriculum for Mathematics and Physics
- Helped students raise scores 200 points on average in Mathematics SAT and Physics SAT

Robert Wood Johnson Medical Hospital - Physics Assistant

September 2012 - September 2013

- Conducted diagnostic and preparation tests on IGRT(Image Guided Radiation Therapy) machines for incoming patients
 - Learned modern techniques and practices in Medical Physics
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