

# Sai Kandala

55 Chatsworth Ct., Edison, NJ 08820

Email: [kandala.sai@gmail.com](mailto:kandala.sai@gmail.com)

Phone: (732) 762-5169

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## Projects

### Songstorm (Ruby on Rails, Backbone.js)

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

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

### jQuery Plugins (jQuery, Javascript)

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

- Implementation for different visual effects on the page
- Written in Object-Oriented manner for easy application on page elements

### Space Invaders (Javascript, HTML5 Canvas)

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

- Uses modular Javascript to organize and DRY up code

### Active Record Lite (Ruby)

[Github](#)

- Ruby metaprogramming to create ORM inspired by Active Record
  - Avoids SQL injection by escaping potentially dangerous queries
  - Employs TDD (Test-Driven Development) using RSpec
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## Skills

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

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## Education

### App Academy

Web Development, November 2014 - February 2015

- Focus 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
  - **Relevant Coursework:** Calculus up to 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