

# Sai Kandala

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## Projects

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

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

- Music sharing application
- RESTful Rails API + PostgreSQL to manage back-end data
- Music player allows site navigation without interrupting playback

### jQuery Plugins (jQuery, Javascript)

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

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

### Space Invaders (JavaScript, HTML5 Canvas)

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

- Modular JavaScript to organize and DRY up code

### Active Record Lite (Ruby)

[Github](#)

- Object Relational Mapper (ORM) inspired by Active Record
  - Prevents SQL injection attacks by escaping harmful queries
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## Skills

Ruby, Ruby on Rails, JavaScript, Backbone.js, Node.js, React, jQuery, SQL, PostgreSQL, MSSQL, Git, HTML, CSS, RSpec, TDD, ASP.NET, C#.NET, VB.NET, IIS, PHP, Wordpress, Laravel

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## Education

### Rutgers University

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

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## Work History

### WorkWave - Full-Stack Software Engineer

September 2015 - August 2017

- Worked with a team of engineers to develop scalable, maintainable solutions and features for a SaaS platform
- Reduced technical debt by doing root-cause analysis of bugs and implementing efficient, maintainable solutions
- Coordinated testing and debugging modern practices of new and existing features, including TDD and BDD
- Developed custom modifications of software based on customer requirements

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## Cambridge Educational Center - Mathematics/Physics Tutor

April 2014 - September 2015

- Designed and taught curricula for Mathematics and Physics
- Help students raise scores 200 points on average on SAT
- Formulated lesson plans to cater to the individual needs of each student

## Robert Wood Johnson Hospital - Medical Physics Intern

September 2012 - September 2013

- Conducted diagnostic and preparation tests on IGRT machines for patients
  - Learned modern techniques and practices in Medical Physics
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## Volunteering

### OurSociety - Software Developer

December 2017 - Present

- Work with a team of designers and developers in building an open platform for civil engagement for local communities
- Collaborate on an open source platform written in CakePHP

### Franklin Township Animal Shelter - Dog Walker

September 2015 - Present

- Walk and feed dogs (mostly pitbulls)
- Clean dog runs and animal cages among other areas of the shelter