

# 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, Rails, JavaScript, Backbone.js, Node.js, React  
jQuery, SQL, PostGRES, 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

### SEMGeeks - Web Developer / Project Manager

March 2017 - August 2017

- Work with a team of developers to build and maintain websites for clients to successfully market and manage their businesses
- Meet with new clients to assess their business needs and to design an approach to meet those needs
- Coordinate and manage teams to complete projects from end to end

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## 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

## Private Tutor

January 2014 - present

- Work one-on-one with students to assess and address their academic needs in Math, Physics, and SAT
- Successfully raise academic performance in students of various grades

## Cambridge Educational Center - Mathematics/Physics Tutor

April 2014 - September 2015

- Designed and taught curricula for Mathematics and Physics
- Helped 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

### Franklin Township Animal Shelter - Dog Walker

September 2015 - Present

- Walk and feed dogs