

# ROBINSON ROSADO

## SOFTWARE ENGINEER

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### SKILLS

Ruby  
Ruby on Rails  
React  
Flux-Redux  
JavaScript  
Amazon Web Services  
PostgreSQL  
Git Versioning  
jQuery  
SQL  
HTML5  
CSS3  
Webpack  
npm  
Babel  
RSpec

### LANGUAGES

English  
Spanish

### PROJECTS

#### LikeMe - [Live](#), [Github](#)

A full stack single page application inspired by the social media platform, Facebook. Implemented with PostgreSQL, Ruby on Rails, React-Redux and AWS.

- Determines friendship status between users with a custom SQL query to reduce the number of requests made to the server.
- Made to be scalable by using the AWS API to store images that are posted to the application by users.
- Search bar functionality executed with Regex to match search requests made by the user.

#### Pets vs Skeletons - [Live](#), [Github](#)

A lane-based, tower defense style browser game inspired by the mobile game Plants vs Zombies. Implemented with CSS, JavaScript and HTML5 Canvas.

- Utilizes class-based inheritance for all game entities via Object Oriented Programming for easy scalability.
- Uses asynchronous functionality to determine settings for best performance

#### Radical - [Github](#)

A lightweight MVC framework with built in object-relational mapping for database interaction coded in Ruby.

- Reads HTTP requests and sends users to the proper web page using Regex to determine request type
- Implements browser cookies for storing and showing errors to the user with flash

### EXPERIENCE

#### Biomedical Engineering Technician II, New York-Presbyterian Hospital, New York, NY

JANUARY 2015 - SEPTEMBER 2018

- Started off as a Biomedical Intern and then promoted twice within 2 years.
- Took the initiative to earn manufacturer certifications for complex hospital equipment to reduce the cost for hiring third party repairs.
- Trained and mentored many new personnel on various types of diagnostic equipment.
- Performed highly-detailed preventative maintenance and repairs on hundreds of medical devices per month ranging anywhere from Class I to Class III.
- Cooperated with a multitude of end users to deliver excellent customer satisfaction

### EDUCATION

#### App Academy, New York, NY

SEPTEMBER 2018 - DECEMBER 2018

- Rigorous 1000-hour immersive web development course with less than 3% acceptance rate
- Studied full-stack web development: Rails, SQL, JS, React, TDD, algorithms, design patterns, and programming best practices.

#### New Jersey Institute of Technology, Newark, NJ

AUGUST 2010 - MAY 2014

- Bachelor of Science in Biomedical Engineering
- Relevant courses include: Calculus I/II/III, Linear Algebra, Differential Equations, Statistics