

Rafael Garcia

[Github](#) [Portfolio](#) [LinkedIn](#)

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SKILLS

JavaScript, ReactJS, Redux, jQuery, SQL HTML5, CSS3, NodeJS, Ruby, Ruby on Rails, Git, Rspec, TDD, OOP, REST

PROJECTS

Que? (Ruby on Rails, React.js/Redux, JavaScript, PostgreSQL)

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

A single-page web application inspired by Quora.

- Implements core CRUD functionalities through custom modals, dropdowns, inline forms, for seamless user-experience.
- Leverages on Rails ActiveRecord associations and ReactJS components that keep code base DRY and modular.
- Utilized React to minimize AJAX requests and Redux to maintain unidirectional data flow and single source of information.

Tetris! (HTML5 Canvas, CSS3, JavaScript)

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

Browser-based implementation of the classic tetris game.

- Implements a coordinate system that enable piece movement and rotation.
- Implements efficient rotation handling of piece to search for valid position when rotating out of bounds or into a conflicting piece on the board.
- Leverages on HTML5 Canvas for rendering, and JavaScript for logic.

KingDOM (JavaScript)

[Github](#)

A JavaScript DOM manipulation, traversal, and event handling library, written in vanilla JS.

- Custom functions that allow for creation of HTML elements or manipulation of data within them which help keep code base DRY.

EXPERIENCE

Shift Manager & Barista

August 2016 - April 2018

Caffe Bene - Jersey City, NJ

- Improve customer retention rate by building relationships with new and regular customers.
- Managing and training of new employees, ensured cash handling procedures upheld.

Software Engineering Intern

June 2017 - July 2017

AMST - Systemtechnik GmbH - Ranshofen, Austria

- Coded and tested new functionalities and features for the company's Inertial Measurement Unit (IMU) to be used for their motion simulators and centrifuges.
- Utilized Raspberry Pi & Arduino Development boards as design platforms.

Phonathon Caller

September 2015 - December 2016

New Jersey Institute of Technology - Newark, NJ

- Raised funds for school contributions on behalf of the Annual Fund.
- Effectively and efficiently imparted on-going activities on-campus with Alumni.

EDUCATION

App Academy

July 2018 - October 2018

- Immersive full-stack web development training program with 5% acceptance rate. Emphasizes pair programming, TDD, REST, OOP, and best practices.

New Jersey Institute of Technology

May 2018

Bachelor of Science - Computer Engineering

- Member, Institute of Electronics and Electrical Engineers (IEEE)