

# 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.
- Utilizes 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.*

- Enables piece movement and rotation through a coordinate system.
- 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

### Software Engineer 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.

### Shift Manager

March 2017 - April 2018

*Caffe Bene - Jersey City, NJ*

- Managed team of four in customer service and daily operations, and coordinated with the franchise owners as necessary.
- Improved customer retention rate by building relationships with new and regular customers.

### Barista

August 2016 - February 2017

*Caffe Bene - Jersey City, NJ*

- Performed all POS duties, front and back house functions, including opening procedures.

## 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)
- Phonathon Caller, NJIT Annual fund.