

Mark LaRosa

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EXPERIENCE **Jr Developer - D3**

June 2015 - Feb 2016

- Collaborated on a team of 10 developers building static websites with PHP, JavaScript, and LESS.
- Wrote documentation for company best practices when building WordPress plugins/custom post types.

PROJECTS **Meetup Clone** (Rails, React/Flux, AWS) | [live](#) | [github](#)

A full stack, Single Page App with a RESTful JSON API backend.

- JSON API built upon complex backend associations.
- Built a dynamic event calendar for each group with JavaScript's date object.
- Implemented the haversine equation in JavaScript to find the distance between cities as a part of my search algorithm.

Tetris.js (Javascript, HTML5, Firebase) | [live](#) | [github](#)

Tetris built with idiomatic, object-oriented JavaScript and the HTML5 Canvas API.

- Built an algorithm to translate position of Tetris pieces (which were in pixels) to a location in the array representation of the board.
- Used the aforementioned algorithm to implement an efficient collision detection algorithm that runs without hindering game performance.
- Created a Firebase NoSQL database to populate the highscore board.

Crosstie (Ruby, WEBrick) | [github](#)

A micro-MVC framework written in Ruby.

- Features CSRF protection, static asset serving, flash messages, sessions, and formatted error pages.
- Specific error messages are rendered in the browser for easy debugging.

SKILLS

Ruby	Rails	SQL	HTML/CSS	SQL
JavaScript	jQuery	React	Flux	Git

EDUCATION **App Academy** - Acceptance rate < 3%

May - Aug 2016

- Intensive web development training program emphasizing pair programming, Test Driven Development, and best practices.

University of Maryland, College Park - International Business BS **Dec 2014**

- Matriculated from College Park Scholars Public Leadership program.

PORTFOLIO marklarosa.me • GITHUB [mlarosa2](#) • LINKEDIN [Profile](#)