Max Rauchman

SOFTWARE ENGINEER

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Projects

INVESTMENTS WITH FRIENDS   LIVE | GITHUB

A RESTful, single page social media web application inspired by Facebook
- Deployed project using the React/Redux libraries in order to seamlessly update frontend elements for responsive user interaction and cause "smart" reloads of only new data.
- Leveraged AWS and Paperclip in order to allow users to upload photos in order to customize their personal profile pages.
- Applied caching of non-sensitive data on the front-end in order to minimize the amount of SQL queries sent to the server resulting in a more streamlined pipeline for requested data.

NYAN JUMP   LIVE | GITHUB

A side-scrolling platform game built using JavaScript
- Employed JavaScript and Canvas in order to render a responsive, visually appealing game.
- Developed a player method to efficiently track platforms and determine the player's velocity and location depending on the terrain surrounding them.

THE A-DOM-INABLE SNOWMAN   LIVE | GITHUB

A lightweight DOM manipulation library
- Designed a lightweight DOM manipulation library that enables DOM Object selection and manipulation with significantly less overhead than jQuery.

Skills

Ruby	JavaScript	JQuery	React.js	Flux
Ruby on Rails	HTML5	SQL	Git	CSS3

Education

APP ACADEMY   *December 2016 - March 2017*

Intensive 1000+ hour web development course with < 3% acceptance rate
- Emphasis on Pair Programming, Object Oriented Design, Test Driven Development, and education focusing on Programming Best Practices

FLORIDA INTERNATIONAL UNIVERSITY   *January 2013- May 2016*

B.S. Computer Engineering
Minor – Mathematical Sciences
G.P.A – 3.28
- Curriculum Highlights: Data Structures, Embedded GUI Programming, Linear Algebra, Discrete Mathematics, Differential Equations

Experience

I.T. CONSULTANT – *QUALITY INN SOUTH, MIAMI*   *August 2014 – November 2016*
- Sustained motel network and computer systems used by management and staff, as well as providing technical support, allowing for seamless operation.

SPECIALIST – *APPLE, MIAMI BEACH*   *October 2013 – August 2014*
- Assisted with technical support and lessons for customers on all Apple products, and applied knowledge of computer and smartphone technology to coordinate educational workshops.