

John Matthews



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SKILLS

SQL
Ruby
React Native
Rails
JavaScript
JQuery
HTML
CSS
React.js
Flux
Redux
MongoDB
Express.js
VBA

EDUCATION

App Academy (Spring 2017)
Intensive web development program with an acceptance rate less than 3%

University of Alabama (Class of 2015)
BS - Commerce Business Administration

PROJECTS

Fireworks Show

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

A front-end application that allows users to create their own fireworks show using JavaScript, HTML5 Canvas, and Easeljs

- Created animations of fireworks by iterating through an array of firework images at a high rate to emulate an actual firework.
- Built a recording system, tracking the fireworks the user clicks and storing the firework information as an object within an array, and then iterating through the array to replay the user's fireworks show.

Google Spatial Language Challenge

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

Web application, using Ruby on Rails and React.js, that is used to collect spatial language directions from users to train AI

- Integrated Google Maps API display a map of all waypoints
- Built a check-in system for users to input their spatial language directions and pictures of the landmarks

Dogstagram

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

A full-stack web application that replicates the core features of Instagram using Ruby on Rails and React.js

- Integrated Cloudinary, a 3rd party image management software, allowing users to manage images on their profile.
- Constructed a following system that allows users to follow and unfollow one another.
- Built a photo feed using ActiveRecord, which queries for all photos of the people that the current user follows.

EXPERIENCE

Trader and Operations Associate | 2014-2016

R-Squared Macro Management LLC

- Worked extensively in Excel, VBA, Tableau, SQL, and Python to develop portfolio analytics tools for client service requests, marketing, and internal economic research.
- Built and managed robust automated derivatives trading systems in Excel that directed trade executions to Bloomberg EMSX liquidity platform.
- Built and directly managed, using VBA, our internal front, middle, and back office systems used for all trading operations.
- Managed counter-party relations with Prime Brokers, technology providers (Bloomberg), fund administrator (SS&C Technologies), and served as a bridge between client services and trading operations.