ALICIA UNDERHILL

SOFTWARE ENGINEER

SKILLS

JavaScript

React

Redux

Ruby

Ruby on Rails

SQL

PostgreSQL

HTML5

CSS3

Git

RSpec

CONNECT

alicia.underhill@gmail.com

(703) 283 7168

New York, NY 10013

LINKS

Personal Site

LinkedIn

GitHub

PROJECTS

TreasureMap | (React/Redux, Rails, PostgreSQL, AWS)

Live. Github.

Single page, publicly-sourced article forum app inspired by Atlas Obscura

- Utilizes React's virtual DOM framework to intelligently render components
- Optimizes creation of articles, images and article edits to a single AJAX call via ActiveRecord nested attribute associations to minimize database strain
- Conserves user RAM by situationally retrieving shallow JSON responses for country and city data to efficiently populate Redux store
- Dynamically populates search results across multiple tables via PgSearch gem's polymorphic searchable association

andala | (JavaScript, HTML Canvas)

Live. Github.

Symmetric drawing web app for user-generated art

- Translates mouse movement into precise brush strokes via vanilla JavaScript DOM manipulation of an HTML canvas
- Generates real-time symmetric coordinate pairs by converting the HTML canvas into a Cartesian grid for plane geometry
- Optimizes UX by auto-calibrating canvas grid relative to screen size and scroll

ActiveVinyl | (Ruby, SQLite3)

Github.

Musically-themed recreation of Rails ActiveRecord ORM library

- Classes inherit attribute manipulation and object CRUD from ObjectRecord base
- Extends customizable Searchable module for complex querying
- Utilizes associations to connect data between models

PRIOR WORK EXPERIENCE

Omni Assistant Merchant | Macy's

New York, NY
2016 - 2018

- Partnered with web development team to optimize site product placement algorithm during high volume selling periods
- Managed selling strategy of 7 watch brands ($100M annually) across all 600+ Macy's stores and Macys.com
- Organized $2M holiday gifting incremental sales program which drove +10% growth/LY for my two largest brands

EDUCATION

University of Virginia

Class of 2016

- B.S in Finance and Marketing with Chinese concentration, 3.87 GPA

Chinese Language and Culture Study

- Peking University, Guanghua School of Management, 4.0 GPA — Beijing, China (Fall 2015)
- National Taiwan Normal University, 4.0 GPA — Taipei, Taiwan (Summer 2014)
- East China Normal University, 4.0 GPA — Shanghai, China (Summer 2013)

App Academy

Mar - Jun 2018

- 1,000 hr immersive full-stack web development intensive with <3% acceptance
- Focus on pair programming, TDD, OOP & RESTful APIs

INTERESTS

Rescuing Leftover Cuisine

New York, NY
2017 - 2018

- Bimonthly volunteer delivering uneaten food from restaurants to local shelters