UNDERHILL

SOFTWARE ENGINEER

SKILLS

JavaScript

React

Redux

Ruby

Ruby on Rails

SOL

PostgreSQL

HTML5

CSS3

Git

RSpec

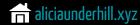
CONNECT

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New York, NY 10013

LINKS







PROJECTS

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

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)

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)

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

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

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 1,000 hr immersive full-stack web development intensive with <3% acceptance

Focus on CS fundamentals, pair programming, TDD, OOP & RESTful APIs

INTERESTS

Rescuing Leftover Cuisine

Bimonthly volunteer delivering uneaten food from restaurants to local shelters

New York, NY 2017 - 2018

Mar - Jun 2018

Live. Github.

Live. Github.

Github.

New York, NY

2016 - 2018

Class of 2016