ALVIN KONG

SOFTWARE DEVELOPER

San Francisco Bay Area, CA

☐ (+415) 609 - 4809 | ✉ alvinkong92@gmail.om | 🏠 alvink92.github.io | in alvink92 | ◻ alvink92

SKILLS

Languages
Ruby
JavaScript
SQL
Python
HTML
CSS

Frameworks / Libraries
Rails
RSpec
jQuery
React
React-Router
Redux
D3.js

Expertise
RESTful APIs
Algorithms
Data Structures
MVC
Flux
TDD
Data Analysis
Data Visualization
Web Scraping

EDUCATION

University of California, Santa Barbara

2014 - B.S. in Physics

AppAcademy

2017 - Full-Stack Web Development

INTERESTS

Basketball, Hiking, MOBA games, FPS game

PROJECTS

Smooth   **Live | GitHub**

An iOS path-finding app built using React Native, Ruby on Rails, and Google Maps API

- Gathered road network, crime, and elevation data using open source APIs
- Modeled data as a graph to use A* algorithm to find the shorted weighted path to destination
- Designed mobile UI/UX using React Native and React Navigation

Betternote   **Live | GitHub**

A Faithful Evernote clone built using Ruby on Rails + PostgreSQL backend and React + React-Router in the frontend

- A single page application where users can take notes, and organize them in notebooks and tags
- Implemented rich-text editing for notes by leveraging the React-Quill library
- Created notes to notebooks and tags associations through ActiveRecord models and carefully planned out React-Redux state slices
- Implemented an auto-save feature by using a timeout that initiates a save on initial key press and gets reset on consecutive key presses

NBA Snapshot   **Live | GitHub**

An interactive data visualization of in-game nba statistics developed using d3.js, HTML5, and CSS

- Features an interactive sunburst plot that allows users to explore and breakdown in-game player to team contributions
- Implemented sunburst's zoom feature by using d3's interpolation and arc tweening techniques

EXPERIENCE

Data Analyst   Apr 2016 - Jun 2017

Dailyshoes   *San Francisco, CA*

- Played key role in inventory replenishment by forecasting sales for products across different marketplaces, saving over 20% in storage fees caused by over and under stocking
- Was key contributor in new products development by creating tools to monitor up-and-coming trends, contributing to the significant increase in consistency of good selling new products
- Wrote robust ETL processes in Python to extract data from various sources to data warehouse
- Developed automated processes to update inventory and price changes across marketplaces
- Created dashboards and reports to monitor business performance and aid in business decisions