

# Alvin Kong

SOFTWARE DEVELOPER

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## Projects

### Betternote (React.js, Redux, React-Quill, PostgreSQL, Rails)

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

A FAITHFUL EVERNOTE CLONE

- A single page web app where users can take notes and organize them in notebooks and tags
- Rich-text editing achieved by leveraging React-Quill
- Auto-save feature was implemented using an asynchronous timeout that initiates an auto-save on an initial note change and gets reset on continuous note changes

### Smooth (React Native, Ruby on Rails, Google Maps API)

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

AN IOS PATH-FINDING APP

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

### NBA Snapshot (D3.js, jQuery, HTML, CSS)

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

AN INTERACTIVE DATA VISUALIZATION OF IN-GAME NBA STATISTICS

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

## Skills

**Languages** JavaScript • Ruby • SQL • Python • HTML • SASS • CSS

**Frameworks/Libs** React • Redux • jQuery • D3.js • Rails • RSpec

**Expertise** Web Development • AJAX • RESTful APIs • Data Analysis • Data Viz • Web Scraping

## Education

### University of California, Santa Barbara

[Santa Barbara, CA](#)

B.S. IN PHYSICS

[Aug 2010 – Jun 2014](#)

### AppAcademy

[San Francisco, CA](#)

WEB DEVELOPMENT

[Jul 2017 – Oct 2017](#)

- Rigorous 1000-hour coding bootcamp with < 3% acceptance rate

## Experience

### Data Analyst

[San Francisco, CA](#)

DAILYSHOES

[Apr 2016 – Jun 2017](#)

- 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 developing tools to monitor up-and-coming trends
- 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