

David Paner

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EDUCATION

University of California, Berkeley

B.A. Computer Science, Minor in Data Science

Expected Graduation Date: May 2021

Berkeley, CA

Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structures, Computer Architecture, Efficient Algorithms and Intractable Problems, Linear Algebra & Differential Equations, Principles and Techniques of Data Science, Web Design, Databases, Artificial Intelligence, iOS Development, Machine Learning, Computer Security

EXPERIENCE

EcoCart

Software Engineering Intern

Remote (San Francisco, CA)

May 2020 – Aug 2020

- Engineered modifications to full-stack applications including implementing new admin functionality and creating new model properties in both Django and Flask frameworks and front-end modifications in HTML, CSS, and Javascript
- Designed and built interactive, modular components in React for the customer-facing website
- Built static landing site that was part of the successful pitch to 10,000+ affiliates businesses

mynurse.ai

Software Engineering Intern

Remote (Berkeley, CA)

May 2020 – Aug 2020

- Developed the front-end of a patient alert dashboard system using Vue.js, Highcharts and Vuetify, Axios for API calls
- Engaged in UX meetings with the design and clinical team in implementing features to optimize patient care
- Regulated version control of the product with Git—aiding in collaboration, organization, and coordination of updates

Simmer

Data Operations Intern

San Francisco, CA

Oct. 2019 – Apr 2020

- Used custom Python scripts to scrape and clean 1000+ online reviews and images to integrate into the Simmer app
- Supervised a team of remote freelancers in a fast-paced environment to ensure tasks were completed efficiently

SELECTED PROJECTS

BEAM website - beam.berkeley.edu

HTML, CSS, Javascript

- Developed a new site architecture and navigation scheme to implement proposed additional content and features
- Headed product presentations to organization members, updating them on changes and collecting feedback

Run More

Swift, XCode

- iOS jogging application that tracks user's location, speed, and incentivises progress through achievement system
- Uses Core Location, MapKit for tracking and mapping and Core Data for persistent data storage

Spotify Recommended Songs Playlist Creator

Python, Pandas, Seaborn

- Creates playlists of suggested songs based off musical features of an input playlist using calls to Spotify's API
- Uses random forest classifier trained with k-fold cross-validation, data refined through feature engineering and EDA

LEADERSHIP EXPERIENCE

Berkeley Engineers and Mentors (BEAM)

Director of Curriculum

Berkeley, CA

May. 2020 - Present

- Direct my team in the development of a 10-week course engaging over 300 students at 17 schools located in Berkeley and Oakland emphasizing exposure to a diverse range of STEM topics and project-based learning
- Overhauled and standardized lesson and presentation structure to increase readability and consistency
- Organized the transition to an online lesson format in the face of school closures due to the COVID-19 pandemic

Codeology

Education Committee

Berkeley, CA

Aug. 2019 - Present

- Assist in the creation of presentations on tech industry topics, such as front-end development and data science
- Supervise group activities surrounding fundamental algorithms and data structures for interview preparation

PROGRAMMING SKILLS

Languages: Advanced in Python, Java, Javascript, HTML/CSS; Proficient in Swift, SQL, C

Tools and Frameworks: React, Vue, Django, Flask, Pandas, Figma, Git, Docker, Firebase