

David Paner

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EDUCATION

University of California, Berkeley

B.A. Data Science, Minor in Computer Science

May 2021

Berkeley, CA

Completed Coursework:

Structure and Interpretation of Computer Programs, Data Structures, Computer Architecture, Efficient Algorithms and Intractable Problems, Foundations of Data Science, Principles and Techniques of Data Science, Web Design, Discrete Mathematics and Probability Theory, Linear Algebra and Differential Equations

In Progress: Databases, Artificial Intelligence, iOS Development

WORK/VOLUNTEER EXPERIENCE

Simmer

Data Operations Intern

Oct. 2019 - Present

San Francisco, CA

- Use custom Python scripts to scrape and clean thousands of online reviews and images to integrate into the Simmer app
- Manage a team of remote freelancers in a fast-paced startup environment to ensure tasks were completed efficiently
- Listen to user feedback and update the data pipeline and presentation accordingly to improve user experience

Hackingtons

Computer Science Instructor

Jun. 2019 – Aug. 2019

Dublin, CA

- Taught daily web development classes of 20 students using HTML, CSS, and JavaScript
- Taught game development classes of 20 students using Python and Unity
- Organized learning resources and the classroom environment to facilitate a positive learning experience

Berkeley Engineers and Mentors (BEAM)

Curriculum Writer and Site Leader

Sept. 2017 - Present

Berkeley, CA

- Mentor elementary and middle school students throughout Berkeley and Oakland through engaging, hands-on science and engineering lessons to inspire students of all socioeconomic backgrounds to pursue careers in STEM
- Design, test, and implement curriculum across 17 schools, emphasizing exposure to a diverse range of STEM topics and project-based learning
- Manage a team of 4 other college students by assigning roles and providing performance feedback to facilitate mentor development

SELECTED PROJECTS

Berkeley Engineers and Mentors (BEAM) Website, beam.berkeley.edu

HTML, CSS, JavaScript

- Proposed and implemented a new site content architecture and navigation scheme for a modern redesign
- Pushed local updates with version control tools, which aided in collaboration, organization, and updates with my team

Snapgram

Swift (XCode), Firebase

- iOS social media application that allows users to send stylized photo messages and upload images to a personalized feed
- Uses Firebase for user authentication, database management, and file storage to ensure data is synchronized across all users

Spotify Classifier

Python

- Classifier that generates Spotify playlists of recommended songs using other playlists as input
- Uses Pandas and Matplotlib for feature engineering and EDA, scikit-learn for K-Fold Cross Validation
- Uses a Random Forest Classifier to generate a recommended songs playlist

PROGRAMMING SKILLS

- Languages: Python, Java, C, SQL, HTML, CSS, JavaScript, Swift, XML
- Tools: Android Studio, Xcode, Pandas, Matplotlib, Git, Firebase