

# David Paner

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## EDUCATION

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### University of California, Berkeley

**Expected Graduation Date: May 2021**

*B.A. Computer Science, Minor in Data Science*

*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

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### Mentality

*Berkeley, CA*

*Software Developer*

*Oct. 2020 – Present*

- Developing a full stack web application with a React and Next.js frontend environment and MongoDB and Node.js backend infrastructure, which enables users to connect with medical professionals through a holistic search process
- Collaborating with a 4-person team in designing and implementing features proposed by the market research team

### EcoCart

*San Francisco, CA*

*Software Engineering Intern*

*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+ affiliate businesses

### mynurse.ai

*Berkeley, CA*

*Software Engineering Intern*

*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

## SELECTED PROJECTS

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### BEAM Website - [beam.berkeley.edu](http://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

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### Berkeley Engineers and Mentors (BEAM)

*Berkeley, CA*

*Director of Curriculum*

*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
- Organized and led the transition to an online lesson format in order to adapt to distance learning

### Codeology

*Berkeley, CA*

*Education Committee*

*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

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

**Tools and Frameworks:** React, Vue, Node.js, MongoDB, Django, Flask, Pandas, Figma, Git