

# Priyam Mohanty

(408) 714-8646 · [priyam.mohanty@berkeley.edu](mailto:priyam.mohanty@berkeley.edu) · <http://linkedin.com/in/priyam-mohanty/>

## EDUCATION

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**University of California, Berkeley**

*B.A. Computer Science*

Graduating December 2020

GPA: 3.8

**Relevant Coursework:** Structure and Interpretation of Computer Programs, Data Structures and Algorithms, Introduction to Statistics in Biology and Health, Foundations of Data Science, Linear Algebra, Differential Equations

## SKILLS

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**Languages:** Java, Python, JavaScript, HTML, CSS, SQL, R

**Technologies/Frameworks:** Django, Flask, Git, React, React Native, Redux, Adobe Creative Suite

## PROFESSIONAL EXPERIENCE

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**Software Development Intern**

Aug. 2018 – Present

*UC Berkeley School of Public Health, Remais Lab*

- Work on scalable record linkage of Chinese character data, designed to efficiently handle ~800k pairs of data
- Write data cleaning tools in Python, wrapped into Jupyter notebooks for easy accessibility

**Software Engineering Intern**

May 2018 – Aug. 2018

*Zoetic – Robotics Firm Bringing AI-powered Empathy and Personality Engines to Robots*

- Developed object recognition and communication features for robots using Google Cloud Vision APIs
- Implemented Neural Style Transfer combined with extra image processing to portray robotic empathy
- Created an in-house API for robots to accurately recognize and react to facial expressions in milliseconds
- Manipulated and connected servos to control and test robot movement using Arduino and C++

## PROJECTS

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**Fitmoh | *fitmoh.com***

**Web App |** *Python, Django, JavaScript, jQuery, REST APIs, AWS, Heroku, PostgreSQL*

- Developed a body tracker that uses the Harris-Benedict Equation with extra calculations to predict the user's BMR and TDEE more accurately than any TDEE calculator online
- Developed a secure token-based REST API for other applications to connect to Fitmoh user data
- Deployed to Heroku, with image-hosting outsourced to AWS S3. Over 400 commits and counting.

**Mobile App |** *React Native, Redux, React Navigation, REST APIs, SQL*

- Developed a mobile body tracker in React Native that connects to the Fitbit and Fitmoh APIs
- Designed screens following UX design guidelines, along with VictoryCharts to visualize data responsively
- Utilized Redux and a custom-built REST API to streamline the user experience and state across platforms

**TunePrimer |** *React, HTML, CSS, Spotify API*

- Constructed a single-page application (SPA) to display an artist's top albums, styled with CSS Flexbox
- Utilized Spotify's Search API to allow the user to play a demo of the music in-app

## LEADERSHIP EXPERIENCE

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**President, Co-Founder**

Aug. 2018 – Present

*Berkeley MainFrame*

- Co-founded a campus club that aims to bridge the gap between industry experience and theoretical computer science by allowing students to work on projects for real companies
- Secured a \$10k+ project with Medinas Health that spans over 1280 hours of development across a team
- Recruit and manage a team of 8 developers, implementing Agile development practices like the Fibonacci scale

**Head of Development**

Aug. 2018 – Present

*Healthy Life*

- Lead development for Healthy Life, an app supporting sexual health curriculums in Berkeley high schools