

Rachit Pareek

rachitpareek@berkeley.edu | (510) 932 9691 | 41251 Trenouth St., Fremont, CA 94538 | rachitpareek.com

EDUCATION

University of California, Berkeley, Haas School of Business

GPA: 3.91

B.S. Global Management Program, B.A. Computer Science, B.A. Data Science (Triple Major)

Graduating May 2022

- Regents' and Chancellor's Scholarship Recipient
- Academic Teaching Intern for CS61BL (Data Structures), Summer 2020
- August-December 2018: London Global Edge Study Abroad Program
- Grand Prize Winner, yuuviz™ Content Management Hackathon San Francisco: *Smart Security Systems* [Case Study: <https://tinyurl.com/sb72ypk>]

Courses: Introduction to Computer Programs†, Computer Architecture (Machine Structures)†, Data Structures†, Principles of Data Science†, Probability for Data Science†, Efficient Algorithms†, Linear Algebra & Differential Equations, Discrete Math & Probability Theory†, Business Law†, Financial & Managerial Accounting†, Business Analytics†, Finance†, Marketing†, Microeconomic†, Microeconomic†, Applied Data Science†
[† indicates grade of A or A+ received]

PROFESSIONAL EXPERIENCE

Robinhood, Inc. | Incoming Software Engineering Intern

Present | Menlo Park, CA

- Incoming backend software engineering intern on the experimentation & metrics team, improving analytics granularity for experiments.

Fremont Debate Academy, Inc. | Founder and CFO

Sept. 2014 – Present | Fremont, CA

- Founded a CA-registered, 501(c)(3) IRS-certified nonprofit (website: fremontdebateacademy.org) teaching MSPDP debate to 5,000+ students.
- Assembled and guided a team of over 100 volunteers for a cumulative 15,000+ service hours & 1,000+ hours of sessions and tournaments.
- Created an open-source curriculum allowing satellite volunteers to establish debate leagues across the United States and rest of the world.
- Raised and allocating over \$75,000 in organic revenue to fund operations and support expansion efforts, including new programs across the United States (Alabama, Oregon, Florida, Teach for America Ohio etc.) and India (Bangalore, Bombay, Jaipur, etc.).

Roblox, Inc., Search & Discovery Platform | Software Engineering Intern

May 2021 – Aug. 2021 | San Mateo, CA

- Developed & validated multiplicative ranking algorithm to enable tag-based, faceted search for Avatar Marketplace (of 100M+ items).
- Utilized Elasticsearch, C#, and Python3 stack to develop internal backend search infrastructure serving real-time, ranked tags to clients.
- Led cross-functional collaboration among the engineering, machine learning, product management, and human evaluation functions.

Amazon Web Services, Worldwide Revenue Operations | Software Engineering Intern

Feb. 2021 – April 2021 | Seattle, WA

- Simultaneously full-time software engineering intern and full-time student (taking 20 units). Built internal microservice tools on AWS.

Acretrader, Inc. | Data Scientist

Aug. 2020 – Jan. 2021 | Fayetteville, AR

- Early employee at a VC-backed, agricultural property technology startup. Building internal investment research & analysis infrastructure.

Amazon Web Services, Mechanical Turk | Software Engineering Intern

June 2020 – Aug. 2020 | Seattle, WA

- Independently architected and engineered an end-to-end, performant, scalable solution for processing internal customer data and making it available through a microservice to power production fraud detection models, fraud investigation platforms, and visualizations.
- Utilized PySpark, Sinatra, internal service frameworks, and a variety of AWS services (CDK, S3, Lambda, ECS, Neptune, Cloudwatch, etc.)

Smart Security Systems | Founder

July 2019 – Jan. 2020 | San Francisco, CA

- Developed a MongoDB, Express, React, & Node web application for optimized security footage storage, querying, analysis, and archiving.
- Designed efficient, accurate computer vision algorithms based on OpenCV (YOLOv3), connected to the application through REST APIs.

Kaiser Permanente | Digital Strategy/Software Development Intern

June 2019 – Aug. 2019 | Oakland, CA

- Worked with MEAN stack to help develop a REST API under BFF architecture, making internal SoRs available to partner clients and services.
- Designed user stories and data visualizations for internal solutions assisting with patient treatment, using the React and D3.js JavaScript libraries.

Foresight Mental Health | Data Science Intern

Feb. 2019 – May 2019 | Berkeley, CA

- Developed a predictive algorithm that uses historical treatment data and a patient questionnaire to recommend initial patient treatment type.
- Automated company's scheduling and financial reporting by creating Python scripts that parse, compile and analyze operations data.

LEADERSHIP & EXTRACURRICULARS

Berkeley Alpha Iota Omicron | Vice President of Membership

Aug. 2019 – Present | Berkeley, CA

- Founding member of Berkeley's chapter. Planning rush events and academic/professional development opportunities for fraternity members.

Berkeley Business Society | Senior Strategy Consultant

Jan. 2019 – Dec. 2019 | Berkeley, CA

- Consulted with Spirit Airlines to analyze & redesign the customer loyalty program and UI/UX for the website and mobile app.
- Consulted with VSCO, an app for photo enthusiasts, to design and rollout a university-focused marketing program.

Berkeley Phi Beta Lambda | Strategy Consultant

Jan. 2019 – May 2019 | Berkeley, CA

- Consulted with Acumen, Inc. to design an investment vehicle that will allow prominent donors to undertake for-profit investments.

SKILLS & INTERESTS

Skills: Amazon Web Services, Python, Java, C, SQL, MongoDB, Typescript (Node, Express, React, Redux, Angular), Docker, C#, Elasticsearch

Personal Interests: Personal Investing, Running, Cycling, Traveling, Music Production, Future House Music, Bollywood Dance, The Office, Suits