# Rachit Pareek

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## EDUCATION

**University of California, Berkeley, Haas School of Business**                                  **GPA: 3.87**
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, yuuvis™ Content Management Hackathon San Francisco: *Smart Security Systems* [**Case Stud**y: https://tinyurl.com/sb72ypk]

**Courses:** Structure and Interpretation of Computer Programs†, Computer Architecture (Machine Structures)†, Data Structures†, Principles & Techniques of Data Science†, Probability for Data Science†, Efficient Algorithms and Intractable Problems†, Linear Algebra and Differential Equations, Discrete Mathematics and Probability Theory†, Business Law†, Financial Accounting†, Managerial Accounting†, Business Analytics†
[† indicates grade of A or A+ received]

## PROFESSIONAL EXPERIENCE

**Amazon Web Services, Mechanical Turk| Software Engineering Intern**              **June 2020 - Present | 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 – Present | 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 data visualizations for internal solutions assisting with patient treatment, using the React and D3.js JavaScript libraries
- Performed process analyses, project lookbacks, and designed user stories for large projects and department-wide events

**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

**Empowerly, Inc. | Business Development Intern**                                **Nov. 2018 – Jan. 2019 | San Mateo, CA**
- Negotiated **$100,000** of venture funding from Berkeley's Skydeck Startup Accelerator while improving efficiency of operations
- Improved business process automation by integrating software including HubSpot, Zapier, and Google Analytics, and created training assets

**The Principal Financial Group | Financial Advisory Intern**                        **June 2017 – Aug 2018 | San Jose, CA**
- Analyzed equity/debt portfolios and insurance products to recommend risk-tolerance based portfolios for 500+ clients/sourced leads

**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 1,100+students
- Assembled and guided a team of over 100 volunteers for a cumulative 11,000+ hours of service running 1,000+ hours of sessions and tournaments, while working with community organizations, public schools, district administrations, and companies
- 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 **$60,000** 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.)

## 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 – Present | 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 (see above), Python, Java, C, SQL, MongoDB, Javascript (Node, Express, React), Typescript, Salesforce/Hubspot
**Personal Interests:** Personal Investing, Running, Cycling, Traveling, Music Production, Future House Music, Bollywood Dance, The Office, Suits