Ali Ahmed

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EDUCATION

University of California, Berkeley **GPA 3.82**
B.A. Economics (Honors) & B.A. Computer Science (Honors) - May 2019
Certificate in Entrepreneurship & Technology
California Alumni Association Leadership Award (2015, 2016, 2018)

European Innovation Academy June 2016 - July 2016
International Accelerator Program | Nice, France
Transformed a political tech idea, Citizen+, into a startup in 3 weeks. Crafted business and marketing strategy, developed MVP, conducted user tests, iterated for product-market fit, and pitched to investors.

EXPERIENCE

Archer | *Software Engineering, Business Development* January 2018 - August 2018
- Founding member of startup building network analysis platform for investigators and data analysts; (archerimpact.com).
- Received award from US Treasury for software deployment using US sanctions data, 70+ weekly active users. (viz.archerimpact.com).
- Designed and developed frontend using React, Redux and Node.js, including authentication, routing, caching and state management.
- Brought on 115+ partners, conducted 8 user interviews. Led business strategy, analyzing revenue sources, competitors and go-to-market.
- Raised initial $5,000, crafting pitch and assisting with financials. Analyzed, proposed and changed corporate structure to for-profit.

Archer | *Product Manager, Engineering Lead - Data Acquisition Team* August 2017 - January 2018
- Led team to create and optimize proprietary distributed web scraper using Apache Kafka, Redis, Scrapy, and Google Cloud Services.
- Scraped 5 million public records a day, optimized workers avoiding IP blocking, captchas and other security features.

Way2B1 | *Full Stack Software Engineering Intern* May 2017 - August 2017
- Designed and developed expense tracker mobile application using React Native, MobX, Express.js, and Plaid financial services API.
- Created clock, checklist, counter, PDF preview and image resizing for document editor product using React and MobX.
- Refactored investment management software to handle business logic in backend and store modified data in PostgreSQL database.

CKPantry | *Co-founder* October 2015 - April 2016
- Launched an on-demand grocery delivery network for students in Clark Kerr Campus at UC Berkeley, in my freshman year dorm.
- Maintained e-commerce platform, from supply chain management to payment processing and tracking finances.
- Spearheaded marketing efforts, acquiring 100+ customers with over 500 deliveries in initial 3 months.

LEADERSHIP

Sutardja Center for Entrepreneurship & Technology Student Association | *President* August 2016 – Present
- Manage partnerships with corporate sponsors including Andreessen Horowitz, Microsoft, Facebook, and CityInnovate.
- Drafted sponsorship package, created pitch deck, and secured Andreessen Horowitz and CityInnovate as corporate partners.
- Coordinated 8 paid events for sponsors including panels, recruiting, and networking events with 100-300 students in attendance.

Vice Chancellor's Student Advisory Council for Undergraduate Education | *Member* August 2016 - Present
- One of 14 chosen to advise Vice Chancellor on strategic initiatives, representing the computer science and entrepreneurship community.
- Restructured freshman orientation from several 2 day summer programs to an 8 day program covering 9,500 students and 500 volunteers.

PROJECTS

Transnational Security Collider: Built D3.js, Python (Flask), Neo4J application used to visualize terrorist activity on Twitter. Presented in Washington DC to US Treasury Department - Office of Terrorism and Financial Intelligence, at their request.

CalExams: Web application creating personalized exam schedule for students. Used more than 800 times. calexams.com
Actions: Conducted competitor analysis for product-market fit. Cultivated client relationships. Had 3,000 users. actions.com

Machine Learning Analysis of FOMC Transcripts: Economic research paper analyzing relationship between words said in FOMC meeting transcripts and changes in federal funds rate. fomc-ml

Clara AI: Provides sentiment analysis and political classification to news. Web app that understands speech. YHack2017, *Best Use of Google Cloud Platform; Most Entrepreneurial Hack*. claraAI
Politik: Allows voting on legislation, messaging your representative. CalHacks4.0, *Best Use of Expo*. TreeHacks2018, *Best Use of mLab*.

Skills (Experienced)

React	Redux	Node.js	PostgreSQL	Python
React Native	MobX	MongoDB	Scikit-learn	Pandas / NumPy

RELEVANT COURSEWORK

Computer Science
CS 61A: The Structure and Interpretation of Computer Programs // A+
CS C8: Foundations of Data Science // A+
CS 170: Efficient Algorithms and Intractable Problems
CS 188: Artificial Intelligence // 3rd, classwide AI competition

Mathematics
Stat 88: Probability and Mathematical Statistics in Data Science
Math 54: Linear Algebra and Differential Equations
CS 70: Discrete Mathematics and Probability Theory
Econ 141: Honors Econometric Analysis

INTERESTS

Jazz (Alto Saxophonist), Poetry (Bukowski), Comedy, Reading The Economist Magazine, Political Technology, Finance, Golf