Ali Ahmed

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EDUCATION

University of California, Berkeley **GPA 3.83**
B.A. Computer Science (Department Honors) & B.A. Economics (Department Honors) - May 2019
Certificate in Entrepreneurship & Technology

European Innovation Academy | Nice, France June 2016 - July 2016
International Accelerator Program. Transformed Citizen+, a political technology idea, into a startup. Crafted product vision and strategy, including go-to-market and growth strategy. Iterated for product-market fit and developed minimum viable product, pitching 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).
- Led strategy team, guiding product, analyzing competitors and market. Brought on 115+ partners, conducted 8 user interviews.
- Designed and developed frontend using React, Redux and Node.js, including authentication, routing, caching and state management.
- 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 for data analysis application, optimizing to avoid IP blocking, captchas and other security features.

Way2B1 | *Full Stack Software Engineering Intern* May 2017 - August 2017
- Proposed and pitched new mobile expense tracker for clients to better budget expenses after observing client spending patterns.
- Designed and developed expense tracker mobile application using React Native, MobX, Express.js, and Plaid financial services API.
- 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.
- Spearheaded marketing efforts, acquiring 100+ customers with over 500 deliveries in initial 3 months.
- Maintained e-commerce platform, from supply chain management to payment processing and tracking finances.

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.

Undergraduate Economics Association | *Officer, Academic Affairs Committee Co-Chair* January 2016 - December 2016
- Coordinated 35 person committee consisting of weekly member presentations on recent macroeconomic topics.
- Reorganized committee application and recruitment process, increasing number of applicants from 13 to 144.
- Planned 2 faculty-student luncheons; led 3 'salons' on the economic impacts of the US presidential election, Brexit, and Saudi oil policy.

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: Developed app creating personalized exam schedule for students. Used more than 800 times. calexams.com
Actions: Conducted competitor analysis for product-market fit. Cultivated client relationships. 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: Developed app at YHack'17 that provides sentiment analysis and classifies news by political alignment. claraAI
Politik: Developed app at CalHacks'17 and TreeHacks'18 allowing users to vote on legislation and communicate with their reps. politik

Honors and Awards

YHack 2017 @ Yale - *Most Entrepreneurial Hack* US Treasury Department - *Challenge Coin*
CalHacks 2017 @ UC Berkeley - *Expo Grand Prize* California Alumni Association - *Leadership Award ('15, '16, '18)*
TreeHacks 2018 @ Stanford - *Best of use of mLab* Dean's List - *(Spring '16)*; Honors To Date - *('15, '16, '17, '18)*

RELEVANT SKILLS & COURSEWORK

Python	**CS C8**: Foundations of Data Science // A+	**Econ 141**: Honors Econometric Analysis
Pandas / NumPy	**CS 61A**: The Structure of Computer Programs // A+	**CS C100**: Principles and Techniques in Data Science
PostgreSQL	**Stat 88**: Probability and Mathematical Statistics in Data Science	**CS 188**: Artificial Intelligence // 3rd, class competition

INTERESTS

Jazz (Alto Saxophonist), Reading The Economist Magazine, Golf, Politics, Poetry (Bukowski), Comedy (Stand-Up).