Ali Ahmed

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EDUCATION

University of California, Berkeley   **GPA 3.88**
B.A. Honors Double Major: Economics & Computer Science (May 2019)
Certificate in Entrepreneurship & Technology
California Alumni Association Leadership Award (2015, 2016)

European Innovation Academy   June 2016 - July 2016
International Accelerator Program | Nice, France
Transformed a political tech idea, Politik, 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 | *Product Manager, Engineering Lead - Data Acquisition Team*   February 2017 - Present
- Founding member of nonprofit, developed from student-led initiative to build counterterrorism data analytics tools. archerimpact.com
- Leading and working with team to scrape, clean, organize and store data from government sources using Selenium and PostgreSQL.
- Wrangling data internally for teams to build visualization applications, and providing open-source access to freelance investigators.

Way2B1 | *Full Stack Software Engineering Intern*   May 2017 - August 2017
- Designed and developed expense tracker mobile application using React Native, 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 first-year students in Clark Kerr Campus at UC Berkeley.
- 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 the first three months.

SimFi | *Co-founder*   January 2016 - April 2016
- Used Alexa Web Information Service API to construct graph of innovative, yet unknown fintech companies to shape business strategy.
- Designed marketing materials using Adobe Illustrator. Created pitchdeck, handled calls with potential clients to gauge feasibility.

LEADERSHIP

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

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 orientation from several 2 day summer programs to an 8 day program accommodating 9,500 students and 500 volunteers.

SELECTED PROJECTS

Transnational Security Collider: Javascript (D3) + Python (Flask) + Neo4J application used to visualize terrorist activity on Twitter. Gained familiarity with Twitter API. Presented to US Treasury Department - Office of Terrorism and Financial Intelligence.

Politick: Mobile application with voting on bills. *Developing*.
Actions: presidentialactions.com
CalExams: calexams.herokuapp.com

Personal Website: Built from scratch using HTML5, CSS, JQuery. Contains interactive resume and blog on politics, economics & tech. *In progress - refactoring to React.* Check it out!

FEC Candidate Contributions: Used PostgreSQL to examine data on donations to 2016 presidential candidates.
California Water Usage: Tied utility company data to zip codes. Hypothesis testing, bootstrapping, confidence intervals for analysis.

Skills

React	Node.js	HTML	PostgreSQL	Python	Java
React Native	Express.js	CSS	MongoDB	Pandas/Numpy/Scipy	Stack Overflow
MobX	Git	Javascript	Firebase	Scikit-learn	

RELEVANT COURSEWORK

Computer Science
CS 61A: The Structure and Interpretation of Computer Programs // A+
CS 61B: Data Structures and Algorithms
CS C8: Foundations of Data Science // A+
CS C100: Principles and Techniques of Data Science
CS 198: Web Design DeCal

Mathematics
Stat 88: Probability and Mathematical Statistics in Data Science
Math 53: Multivariable Calculus
Math 54: Linear Algebra and Differential Equations
CS 70: Discrete Mathematics and Probability Theory
CS 170: Efficient Algorithms and Intractable Problems

INTERESTS

Jazz (Alto Saxophonist), Reading The Economist Magazine, Civic Technology, Politics, Finance, Golf