

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