Ali Ahmed

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EDUCATION

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

European Innovation Academy   June 2016 - August 2016
International accelerator program | Nice, France
Worked on Citizen+, civic tech startup allowing individuals to track what bills their representative voted on

EXPERIENCE

Archer | *Product Manager, Engineering Lead - Data Acquisition Team*   August 2017 - Present
- Nonprofit focused on building technology for open-source investigators to further human security. https://archerimpact.com/
- Leading and working with team to scrape, clean and store (wrangle) data from websites using Selenium and PostgreSQL.

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 fintech companies to create business strategy.
- Created company logo and marketing materials using Adobe Photoshop, Illustrator, and Lightroom. Assisted with pitch deck.

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.
- Designed logo, drafted sponsorship package, created pitch deck, and secured Microsoft and CityInnovate as corporate partners.

Vice Chancellor's Student Advisory Council on Undergraduate Education | *Member*   August 2016 - Present
- Advise vice chancellor on strategic initiatives for undergraduate education, representing concerns of the campus cs/tech community.
- Projects include new Student Information System (CalCentral Course Enrollment), Golden Bear Orientation, and Transfer resources.

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.

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!

Politick: Citizen+, mobile application with voting on bills. *Developing.*
Actions: http://www.presidentialactions.com/
CalExams: http://calexams.herokuapp.com/

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