

# Ali Ahmed

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## EDUCATION

### University of California, Berkeley

B.A. Economics (Honors) & B.A. Computer Science (Intended Honors) - May 2019

*Certificate in Entrepreneurship & Technology*

*California Alumni Association Leadership Award (2015, 2016, 2018)*

GPA 3.82

### European Innovation Academy

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.

June 2016 - July 2016

## 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](http://archerimpact.com)).
- Received award from US Treasury for software deployment using US sanctions data, 70+ weekly active users. ([viz.archerimpact.com](http://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 for data analysis application, optimizing to avoid 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](http://calexams.com)

**Actions:** Conducted competitor analysis for product-market fit. Cultivated client relationships. Had 3,000 users. [actions.com](http://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](http://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](http://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