

# Ali Ahmed

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## EDUCATION

### University of California, Berkeley

GPA 3.82

B.A. Economics (Honors) & B.A. 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, 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.

## EXPERIENCE

### Archer | Business Development, Software Engineering

January 2018 - Present

- Founding member of startup building data analytics and network analysis platform for investigators and data analysts; [archerimpact.com](http://archerimpact.com)
- Building frontend of CRUD application using React, Redux and Node.js. Implementing auth, designed frontend state management.
- Raised \$5,000. Developing pitch, marketing materials, contacting clients and setting up user interviews.

### Archer | Product Manager, Engineering Lead - Data Acquisition Team

August 2017 - January 2018

- Leading team to create and optimize proprietary web scraper using Apache Kafka, Redis, Scrapy, and Google Cloud Services.
- Scraping 6 million public records a day, optimizing workers avoiding 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, 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 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.
- Coordinated 4 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.

## PROJECTS

### Transnational Security Collider: JavaScript (D3.js), Python (Flask)

Neo4J application used to visualize terrorist activity on Twitter.

Gained familiarity with Twitter API. Pitched in DC to US Treasury

Department - Office of Terrorism and Financial Intelligence.

### 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.

rep. Cultivated client relationships. Has 3,000 users. [actions.com](http://actions.com)

**Textual Analysis of FOMC Transcripts:** Economic research paper analyzing relationship between words said during FOMC meetings and changes in Federal Funds Rate. [FOMCTranscriptAnalysis](http://FOMCTranscriptAnalysis)

**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 user to vote on legislation, send messages to your CalHacks4.0, *Best Use of Expo*. TreeHacks2018, *Best Use of mLab*.

### Skills

|              |            |            |                |        |
|--------------|------------|------------|----------------|--------|
| React        | MobX       | HTML5      | Python         | Java   |
| React Native | Node.js    | MongoDB    | Pandas / NumPy | C / Go |
| Redux        | JavaScript | PostgreSQL | Scikit-learn   | RISC-V |

## RELEVANT COURSEWORK

### Computer Science

CS 61A: The Structure and Interpretation of Computer Programs // A+

CS C8: Foundations of Data Science // A+

CS C100: Principles and Techniques of Data Science

CS 170: Efficient Algorithms and Intractable Problems

CS 188: Artificial Intelligence

### 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

Econ 141: Honors Econometric Analysis

## INTERESTS

Jazz (Alto Saxophonist), Poetry (Bukowski), Reading The Economist Magazine, Political Technology, Politics, Economics, Finance, Golf