# Jay Mahabal

## Contact

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## Education

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|---|---|
| UC Berkeley<br>May 2016 | **B.A. Mathematics**<br>Minor in Geographic Information Systems and Technology<br>Undergraduate Certificate in New Media |

## Data Visualization Experience

**Spring 2017**
*San Francisco, CA*

**Machine Learning and Creative Technology Apprentice, AKQA**
- Built a Slack bot interface for an article recommendation system using Node.js, created a PostgreSQL database for logging and persisting data, and deployed to AWS
- Developed an interactive dashboard using React and d3.js, created an API using Express, ran tests using Mocha, Chai, and Istanbul, and documented code with JSDoc

**2016 - 2017**
*Mountain View, CA*

**Data Journalist, $H_2O$.ai**
- Ideated, researched, wrote, and visualized stories using machine learning to better explain the underlying pattern or data
- Designed and built product demonstrations to showcase applications of machine learning
- Created a ticket dashboard to aid team members in tracking customer questions and requests

**2015 - 2016**
*Berkeley, CA*

**Data Journalist, The Daily Californian**
- Used the Twitter Stream and a Django Application to pull location-enabled tweets and trace the path of Daily Californian reporters, and visualized the data using Leaflet and d3.js
- Analyzed University of California source high school data using Python to determine if there was a correlation between wealth and enrollment rates and visualized findings using d3.js

**Summer 2015**
*Cambridge, MA*

**Social Computing Intern, MIT Media Lab**
- Created an interactive map of the live music scenes of cities
- Used the Songkick and Echonest APIs to grab all artists playing in a city by venue, generated valid JSON files using Python, and visualized the music genre and nationality data using d3.js

## Leadership and Technical Experience

**2013 - 2016**
*Berkeley, CA*

**System Administrator, UC Berkeley EECS Department**
- Utilized an RT ticket system to assist clients with booting, network, and other technical issues
- Built machines to the specifications of clients, including both Windows and Linux systems
- Performed clerical duties such as inventory management, user account creation, password resets, and laptop distribution

**2013 - 2016**
*Berkeley, CA*

**Director of Internal Affairs, The Berkeley Forum**
- Grew organization in its infancy (founded 2012) and oversaw recruitment from information sessions to interviews
- Planned and executed bi-weekly socials, workshops, and meetings, and semesterly retreats
- Implemented data-influenced recruitment strategies to diversify membership, led team-building activities, and ran book club across four novels

**2012 - 2016**
*Berkeley, CA*

**Crisis Director, UC Berkeley Model United Nations**
- Led team of three across weekly meetings to create crisis trees that challenged delegates
- Ensured prompt communication with delegates at conference through efficient note management
- Co-wrote 40 page background guide on ZANU and the struggle for Zimbabwean independence