EDUCATION

**UNIVERSITY OF CALIFORNIA, BERKELEY**, Berkeley, CA

* **B. A. Political Science** **(Empirical and Quantitative Methods)** with Highest Honors | 3.96/4.0 – May 2014

Highest Distinction in General Scholarship (Summa cum laude) and Phi Beta Kappa

* **Computer Security/Political Science Honors Thesis** - Freedom for Authoritarianism: Patriotic Hackers and Chinese Nationalism. *Yale Review of International Studies* Vol 5. Issue I (Fall 2014)
* **Relevant Coursework**: Probability, Engineering Physics, Calculus, Statistics, Game Theory | **Coursera Certificate**: Machine Learning **| Audited Coursework:** Linear Algebra,Structure & Interpretation of Computer Programs, Data Structures & Algorithms, Machine Structures in C, Algorithms, Machine Learning

Selected Projects

**Incident Alert** (Spring 2016)

* Full-Stack event mapping application for users to post and access public safety alerts. App is integrated with Google Maps and supports alert queries and search functionality. | MongoDB, Express, Angular.js, Node.js

**Study Hall** (Spring 2016)

* Classroom management tool for students to post questions and answers in real time. Content is ranked and displayed by vote count and administrators are able to moderate content and discussions. | SQLite, Django

**Yumster** (Winter 2015)

* Worked on the frontend to implement navigation and ingredient displays and the backend to create admin functionality for a food and ingredient analysis service. | Angular.Js, Flask, Python, Javascript, CSS, HTML, JQuery

**Convolutional Neural Networks (**Summer 2015)

* Optimized a neural network for image classification. Restructured code to eliminate redundancies, deployed loop unrolling, cache blocking, parallelism, Intel SIMD Intrinsics and other low-level optimization methods. | C, SIMD, OpenMP

EXPERIENCE

**Software Engineer at Basic Ballot (**June 2015 – August 2015)

* Developed a system to analyze candidates by analyzing political texts with Latent Dirichlet Allocation (LDA).

**Math and Science Teacher at Compass Prep** (May 2015 – Current)

* Tutored ACT, SAT, AP Calc, AP Physics C, Math and Physics SAT 2, and other standardized tests across the Bay Area.

**Coach of UC Berkeley Parliamentary Debate** (May 2014 – March 2015)

* Coached debate teams to 7th and 10th in the Nation and eliminate rounds at virtually every tournament.

**Teacher at the Breakthrough Collaborative** (June 2012 - August 2012)

* Worked to bridge the high school low-income achievement gap as a Physics and Study Skills teacher.

**Teacher at Global** **Connect** (September 2011 - June 2012)

* Worked with professors, teachers, and other students in designing and implementing a high school curriculum.

**Undergraduate Research Assistant under Dr. Justin McCrary** (December 2012 - May 2013)

* Researched the impact and efficacy of Title VII litigation on African-American employment discrimination.

**Investigative Intern San Diego Office of the Alternate Public Defender** (June 2011 – August 2012)

* Assisted investigations, conducted case research, filed subpoenas and court requests.

**Undergraduate Research Assistant under Dr. Deborah Avant** (October 2010 - May 2012)

* Researched international regulatory frameworks for private military corporations.

Languages and Technologies

* Python, Java, C (moderate)
* Javascript, HTML, CSS, SQLite, Angular, Flask, Django, GNU Octave

AWARDS AND FELLOWSHIPS

* Ranked 4th in the Nation at the National Parliamentary Tournament of Excellence Debate National Championship (2014)
* Institute of International Studies Merit Scholarship (2014)
* Political Science Honors Thesis Program “Freedom for Authoritarianism: Patriotic Hackers and Chinese Nationalism”
* Max Kade Travel Fellowship to Germany (2013)
* Berkeley Undergraduate Scholarship (2013)
* Dr. Ryoji Yokoyama International Relations Scholarship (2011)
* UROP (Undergraduate Research Opportunities Program) Research Fellowship (2011)