

Education:

Johns Hopkins University: Fall 2015 - Present	University of Arizona: Fall 2011 - Spring 2015
Ph.D. Candidate in Mathematics	B.S. in Mathematics, Computer Science
Advisor: Mauro Maggioni	B.A. in Linguistics
	Minor: Spanish

Research:

Graduate Research:

- Gaining background in nonparametric estimation of composite functions, where assumptions on the composite structure mitigate the effect of the curse of dimensionality

Research Assistant – JHU HLTCOE: June 2017 – August 2017

- Managed domain experts to develop a schema for annotating foreign-language data and evaluating classifier algorithm performance on that data
- Investigated improvements to topic modelling algorithms to improve performance on short documents, particularly for document clustering and corpus summarization

Summer Camp for Applied Language Exploration – JHU HLTCOE: June 2016 – August 2016

- Worked on a team to develop CADET, a (Computer) tool to Assist language analysts in topic Detection, Extraction, and Translation.

Research Assistant at the Planetary Science Institute: Fall 2012 – Spring 2015

Teaching Experience, Johns Hopkins University:

Spring 2017: Teaching Assistant – Differential Equations

- Taught two 50-minute recitation sections per week, held office hours, and graded homeworks

Fall 2016: Instructor – Introduction to Calculus

- Developed lesson plans, assignments, and exams for a class of five undergraduates for four 50-minute sections (three lectures and one recitation), held office hours, and graded homeworks.

Other semesters since Fall 2015: Teaching Assistant – various mathematics service courses

Activities:

- American Model United Nations: Spring 2015 – Present
As Director of Research (Fall 2016 - Present), I edit and review topic briefs on various issues of international importance before publication in our *Issues at AMUN* handbook.
- JHU Engineers Without Borders: Spring 2016 – Present
I am the faculty advisor for the *Chicorral* water distribution project in Guatemala, for which I oversee meetings, interface with JHU administration, and assist in communicating (in Spanish) with the village.

Honors/Awards:

- Owens Scholar Fellowship — Spring 2015, Johns Hopkins University
- Eagle Scout — Summer 2011, Boy Scouts of America
- Flinn Scholarship — Spring 2011, Flinn Foundation

Citizenship: USA