
Education

Doctor of Philosophy in Geography; *In Progress*

**Arizona State University School of Geographical
Sciences & Urban Planning**

2016 – Present

Bachelor of Arts in Earth & Planetary Sciences; Concentration in Earth Materials

Northwestern University

2010 – 2014

Work Experience

Research Assistant

Arizona State University

2017 – 2018

- Development of and assistance in ethnographic study of alternative fuel vehicle driver decisions.
- Full stack development of Colablocation platform for hydrogen refueling in Connecticut; in progress
- Designed and built Colablocation project home page: collablocation.shinyapps.io/home

GIS Specialist

Mobilitie Management, LLC

2016

- Identified & QC'd sites suitable for permitting & constructing telecom network assets using ESRI ArcGIS Online & Google Earth. Entered specifics into geodatabase of candidates & ensured quality of data throughout the process. Collaborated in teams & performed this task independently.
 - Supported field verification teams in real time over phone to evaluate & troubleshoot sites.
 - Researched local ordinances & attributed zoning data to features in geodatabase of county & municipal shapefiles.
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Internship Experience

Intern

Illinois State House District 19

2015

- Organized & implemented initiatives to engage constituents on events in Springfield & the district. Summarized & collated engagement outcomes to inform policy decisions & outreach efforts.

New American

**Democracy Project
Fellow**

Illinois Coalition for Immigrant & Refugee Rights

2014

- Engaged immigrant communities in discussions on the role of voting in the legislative process to achieve immigration reform via non-partisan, grassroots efforts. Managed a team to register & mobilize voters, many for the first time.

Natural History

**Research Experience
Fellow**

Smithsonian National Museum of Natural History

2012 & 2013

- Conducted petrographic & electron microprobe analysis on peridotite samples under the mentorship of Dr. E. Cottrell & Dr. J. M. Warren.
- Calculated & compared O₂ concentration in tectonic settings. Tested & refined established methods of calculation. Developed an application to expedite the process & to produce visual representations of the data in real time.
- Reviewed 100+ scientific journal articles to populate a database of measured volcanic SO₂ emissions & weather, equipment, & other qualitative conditions of each event. Developed a standard form for future emission reports.

