

Zachary Mahafza

EDUCATION

PhD: Public Administration and Public Policy, Auburn University- May 2020

Dissertation: Understanding State Regulation of Fracking in Response to Induced Seismic Activity

Master of Arts: Public Affairs, University of Alabama in Huntsville- 2015

Bachelors of Science: Earth System Science, University of Alabama in Huntsville- 2012

EMPLOYMENT EXPERIENCE

Lecturer- Political Science Department, Auburn University- August 2020- Present

- Presented daily lectures and multimedia presentations on various political and policy issues which include: American Government, Environmental Policy, and International Relations
- Provided editorial assistance and data management for academic journals

Graduate Assistant- Political Science Department, Auburn University- 2015- May 2020

- Collaborated on environmental research and published results in peer reviewed journals or presented the results at conferences
- Presented daily lectures and multimedia presentations on various political and policy issues which include: American Government, Environmental Policy, and International Relations
- Represented local and national organizations in a leadership role as a communications chair and used social media to promote the organizations events and enhance membership outreach
- Wrote materials utilized for community outreach and student recruitment
- Assisted with Grant Application Preparation
- Developed training materials and oversaw implementation of new data systems
- Coordinated lab space and provided public outreach to promote lab services and activities
- Provided mentorship and helped to plan and develop professional expertise events for students

Internal Review Audit and Compliance Office Intern- U.S. Army Materiel Command- Summer 2016

- Analyzed datasets and regulations to meet Congressional and Defense Department deadlines
- Provided assistance with oversight of programs within the Command
- Spoke with leadership about opportunities to improve reporting systems accuracy and usability

GIS Intern- City of Huntsville Planning Department: Huntsville, Alabama- Summer 2014

- Conducted field work to identify areas of significance for the city of Huntsville
- Organized and developed shapefiles for use by city planners and tax authorities

Graduate Assistant- Atmospheric Science Department, University of Alabama in Huntsville- 2012-2013

- Developed datasets which were used in environmental and energy research
- Crafted novel recruitment and outreach materials for department

Study of United States Institute Student Ambassador, University of Alabama in Huntsville- Summer 2012

- Provided students from Azerbaijan with language assistance and civic education
- Worked with volunteers to meet meaningful goals of the learning program

KNOWLEDGE AND SKILLS

Geographic Information Systems (GIS) and Remote Sensing using ENVI, ESRI (ArcMap), and QGIS
Conducting focus group research using Morae, TriCaster, and Dialsmith perception analyzers
Experience using NGP VAN products like VoteBuilder
Statistical analysis using SPSS and R software
Document creation using Word, Google Suite, and LATEX
Public speaking and presentation
Cultural competence and trained in Kingian Nonviolence

VOLUNTEERISM AND SERVICE

Mapped and analyzed distribution of Alabama food banks for the Alabama Justice Coalition- April 2020
Communications Chair of Section on Environment and Natural Resources Administration- 2019-Present
Presented research on voter turnout at the Alabama NAACP Leadership Retreat- December 2018
Volunteer GIS consultant for political campaigns in Alabama's 3rd District- February-November 2018
Poll Watcher (Lee County)- November 2018
Poll Worker (Madison County)- November 2016

SELECTED PUBLICATIONS

Haun, Courtney, Mahafza, Zachary, Cook, Chassidy, and Silvera, Geoffrey A. (2018). *A Study Examining the Influence of Proximity to Nurse Education Resources on Quality of Care Outcomes in Nursing Homes*. INQUIRY: The Journal of Health Care Organization, Provision, and Financing. Vol 55. DOI: 10.1177/0046958018787694

Fisk, Jonathan M., Park, Yunmi, and Mahafza, Zachary. (2017). *"Fractivism" in the City: Assessing Defiance at the Neighborhood Level*. State and Local Government Review. Vol 49. DOI: 10.1177/0160323X17720712

Mahafza, Zachary, Stoutenborough, James, and Vedlitz, Arnold. (2016). *The Role of Proximity in Problem Identification: Risk of Water Scarcity in Texas*. Water Policy. Vol 19. DOI: 10.2166/wp.2016.021

SELECTED PRESENTATIONS AND CONFERENCES

Haun, Courtney, and Mahafza, Zachary. (2020). *Current Challenges & Current Solutions*. American Society for Public Administration- Alabama Chapter: September Meeting.

Mahafza, Zachary. (2019). *Fracking, Disposal Wells, and Earthquakes: Mapping the New Frontier in Environmental Regulation*. Washington D.C. American Society for Public Administration Conference.

Fisk, Jonathan M. and Mahafza, Zachary. (2018). *Crude Contempt: Explaining Oil and Gas Resistance in California*. Denver, CO. American Society for Public Administration Conference.

Fisk, Jonathan M., Mahafza, Zachary, and Stoutenborough, James W. (2017). *Wells and Taps: A Geospatial Analysis of Water Resource Attitudes and Fracking*. Atlanta, GA. American Society for Public Administration Conference.