

Zhanyang Liu

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Education

University of Wisconsin–Madison , Madison, WI	Aug. 2025
Ph.D. in Political Science	
University of Michigan , Ann Arbor, MI	Aug. 2022–May 2025
M.S. in Information (Data Science & Big Data Analytics) — M.A. in International & Regional Studies (MENA)	
Beijing Foreign Studies University , Beijing, China	Sept. 2018–July 2022
B.A. in Modern Hebrew	

Skills

Technical Skills:

- **Programming Languages:** Python, R, SQL, \LaTeX
- **Statistical Analysis:** Multiple regression, time series analysis, hypothesis testing, causal inference
- **Machine Learning:** XGBoost, LightGBM, Random Forest, K-means, hierarchical clustering, PCA, t-SNE
- **Natural Language Processing:** NLTK, spaCy, Transformers, topic modeling
- **Data Visualization:** Matplotlib, Seaborn, Plotly, ggplot2
- **Data Engineering:** Data cleaning, feature engineering, ETL pipelines

Language Skills:

- Chinese (Native)
- English (Proficient)
- Hebrew (Proficient)
- Modern Standard Arabic (Fluent)
- Levantine Arabic (Intermediate)

Professional Experience

The Jewish-Arab Center , Haifa, Israel — <i>Visiting Researcher</i>	May–Aug. 2023
<ul style="list-style-type: none">• Conducted ethnographic research on Arab participation in 2023 judicial protests via 50+ interviews with organizers, politicians, and community members• Developed mixed-methods research design combining participant observation, interviews, and discourse analysis• Co-authored policy report analyzing factors affecting Arab citizens' participation in nationwide demonstrations	
University of Michigan , Ann Arbor, MI — <i>Graduate Student Instructor, Anthropology</i>	Aug.–Dec. 2023
<ul style="list-style-type: none">• Facilitated discussion sessions for 60 students emphasizing data-driven problem-solving approaches• Designed comprehensive lecture materials and provided personalized academic writing support	
Middle Eastern Studies Newsletter , Shanghai, China — <i>Contributing Editor</i>	Jan.–Sep. 2023
<ul style="list-style-type: none">• Authored weekly MENA region reports employing data analysis for economic, political, and social insights• Co-authored chapter "Geographical Location of Morocco" incorporating data-driven research methodologies	
Carnegie-Tsinghua Center for Global Policy , Beijing, China — <i>Communications Intern</i>	June–Aug. 2021
<ul style="list-style-type: none">• Analyzed user engagement patterns across social media platforms to optimize policy content strategy• Implemented data-driven approaches to enhance content curation and social media scheduling	

Publications

The Country Geography of Morocco	Beijing, China
<i>Co-Author</i>	Expected Publication Date: Dec. 2025
<ul style="list-style-type: none">• Collaborated with scholars to write a chapter titled "Geographical Location of Morocco."	

Awards & Fellowships

- Mahfoud Bennoune Memorial Thesis Award, CMENAS, University of Michigan (2024–25)
- MIRS Fellowship, University of Michigan (2023–2024)
- Rackham International Research Awards, University of Michigan
- MIRS International Travel Grant, University of Michigan

- Jean and Samuel Frankel Center for Judaic Studies Financial Fellowship, University of Michigan
- MIRS Fellowship, University of Michigan (2022–2023)