

# Zhanyang Liu

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## Education

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

## Skills

<b>Technical Skills:</b>	<b>Language Skills:</b>
<ul style="list-style-type: none"><li>• <b>Coding Languages:</b> Python, R, SQL, <math>\text{\LaTeX}</math></li><li>• <b>Statistical Analysis:</b> Multiple regression, time series analysis, causal inference</li><li>• <b>Machine Learning:</b> XGBoost, LightGBM, Random Forest, K-means, hierarchical clustering, PCA, t-SNE</li><li>• <b>Natural Language Processing:</b> NLTK, spaCy, Transformers, topic modeling</li><li>• <b>Data Visualization:</b> Matplotlib, Seaborn, Plotly, ggplot2, Altair</li><li>• <b>Data Engineering:</b> Data Mining, feature engineering, ETL pipelines</li></ul>	<ul style="list-style-type: none"><li>• Chinese (Native)</li><li>• English (Proficient)</li><li>• Hebrew (Proficient)</li><li>• Modern Standard Arabic (Fluent)</li><li>• Levantine Arabic (Intermediate)</li></ul>

## Professional Experience

<b>University of Michigan</b> , Ann Arbor, MI — <i>Graduate Student Instructor, Anthropology</i>	Aug.–Dec. 2023
<ul style="list-style-type: none"><li>• Facilitated discussion sessions for 60 students emphasizing data-driven problem-solving approaches</li><li>• Designed comprehensive lecture materials and provided personalized academic writing support</li></ul>	
<b>Middle Eastern Studies Newsletter</b> , Shanghai, China — <i>Contributing Editor</i>	Jan.–Sep. 2023
<ul style="list-style-type: none"><li>• Authored weekly MENA region reports employing data analysis for economic, political, and social insights</li><li>• Co-authored chapter "Geographical Location of Morocco" incorporating data-driven research methodologies</li></ul>	
<b>Carnegie-Tsinghua Center for Global Policy</b> , Beijing, China — <i>Communications Intern</i>	June–Aug. 2021
<ul style="list-style-type: none"><li>• Analyzed user engagement patterns across social media platforms to optimize policy content strategy</li><li>• Implemented data-driven approaches to enhance content curation and social media scheduling</li></ul>	

## Publications

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

## Awards & Fellowships

<ul style="list-style-type: none"><li>• Mahfoud Bennoune Memorial Thesis Award, CMENAS, University of Michigan (2024–25)</li><li>• MIRS Fellowship, University of Michigan (2023–2024)</li><li>• Rackham International Research Awards, University of Michigan</li><li>• MIRS International Travel Grant, University of Michigan</li><li>• MIRS Fellowship, University of Michigan (2022–2023)</li></ul>	
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