

Ziyu Shu

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Summary: Data-driven policy researcher with experience at the intersection of US-China relations, global foreign policy, AI governance, government affairs, digital consulting, with academic interests in Computational Political Science.

Education

Georgetown University	<i>Aug 2025-May 2027</i>
Master of Science in Data Science for Public Policy	
Relevant Coursework: Data Science, AI and massive data, Machine Learning, NLP, Econometrics, Policy Making	
Peking University; University of California, Berkeley	<i>Sep 2020-Jul 2025</i>
Bachelors in International Politics; Concentration in Computational Political Science and Conflict Prediction	

Technical Skills and Certifications

- **Programming Languages & Visualization:** Python, R, SQL, Stata, SPSS, Excel
- **Languages:** English (Proficiency), Mandarin (Native), French (Basic), Spanish (Basic)

Academic Research

Conference Presentation

- “Alliances and War: Using Temporal Heterogeneous Graph Neural Networks to Predict Interstate Conflict”, accepted for Lightning Talk, MPSA 2026, Alliance Behaviors and Militarization Session.
- **Working Paper (Co-author)**
- “When Honey Tastes Bitter: When China’s Development Projects Overseas Backfire on Its Political Influence”, planned submission to APSA 2026.

Graduate Research Assistant	<i>Washington, DC, USA</i>
Better Government Lab	<i>in process</i>

- Developed a state capacity focused analytical framework operationalizing the “administrative desert” concept to evaluate U.S. DMV performance as a democratic governance indicator.
- Applied geocoding, API and automated data collection pipelines for static/dynamic web scraping.
- Utilized high-granularity, tract-level Social Vulnerability Index (SVI) to engineer scalable, neighborhood-scale features, enabling geospatial joins.
- Designed interactive HTML policy dashboards translating complex administrative performance metrics into decision-ready visualizations for policymakers in public administration.

Work Experience

U.S.-China Business Council	<i>Beijing, China</i>
Government Affairs and Business Advisory Analyst	<i>Feb 2025-Aug 2025</i>

- Led the production of 80+ daily media monitoring and analysis reports tracking U.S.–China relations, legislative developments, and government policy updates to support strategic decision-making.
- Conducted in-depth policy research and comparative analysis of 5 regional development reports focused on the Greater Bay Area and China’s national AI adoption initiatives, assessing implications for government strategy and regulatory frameworks.
- Coordinated high-level events and stakeholder meetings, increasing in structured engagement between business leaders and government stakeholders during US-China tariffs tensions.

Deloitte	<i>Beijing, China</i>
Digital Consultant and Product Management	<i>May 2024-Aug 2024</i>

- Independently authored 200+ pages of technical and policy-facing documentation (UI requirements, data governance, system data-transfer protocols) translating evolving client and stakeholder needs into implementable specifications for AI-enabled business platforms.
- Partnered with front-end and back-end engineering teams to design, test, and deploy an AI crowdsourcing algorithm, increasing user participation by ~50% and supporting scalable adoption across organizational use cases.