

# Ziyi Wang

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Data storyteller with a mixed-methods research background and 1.5 years of independent consulting experience in distilling datasets into visual narratives and actionable insights.

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## EDUCATION

- Expected  
May 2024 **Dual Degree: Master of Global Policy Studies & Master of Science in Information Studies**  
**(Specialization: Data Science for International Development)**  
**Certificate: LBJ School Dean's Certificate in Data Science and Policy Analysis)**  
The University of Texas at Austin, LBJ School of Public Affairs & School of Information | GPA: 3.92
- Nov 2017 **Master of Arts Social Service Management**  
The Chinese University of Hong Kong, Department of Social Work
- June 2016 **Bachelor of Administration in Regional Development in Rural Area (Specialization: International Development)**  
China Agricultural University, College of Humanities and Development Studies

## WORK EXPERIENCE

- Sept 2023-  
Now **Independent Data Consultant**, The Miami Foundation & RGK Center for Philanthropy and Community Service
- Conducted comprehensive data analysis on The Miami Foundation's Give Miami Day and Community Grants from 2020 to 2023, identifying pivotal donation and diversity trends in the Miami-Dade nonprofit sector.
  - Designed interactive Tableau dashboards that distilled complex data into accessible insights, driving stakeholder engagement and strategic decision-making.
  - Leveraged analytics to illuminate patterns within the educational landscape, fostering a data-driven approach to understanding community impact.
- Jan 2023-  
May 2023 **Independent Data Consultant**, Raise Texas & RGK Center for Philanthropy and Community Service
- Analyzed quantitative data to discern relationships between medical debt and demographic characteristics.
  - Conducted semi-structured interviews of two individuals impacted by medical debt in Texas.
  - Summarized mixed-methods research findings, policy recommendations and other action steps into a [report](#).
- Dec 2022-  
Mar 2023 **Videographer**, LBJ School of Public Affairs
- Recorded and produced video content for the 10-day field trip in Jerusalem, Israel.
  - Evaluated and edited footage for pacing, value, and continuity with multiple camera angle choices and audio for the final [documentary](#) production.
- Sept 2022-  
Now **Teaching Assistant & Graduate Assistant**, LBJ School of Public Affairs & Department of Sociology
- Created a YouTube [video](#) to facilitate student review for the mid-term exam, held weekly review sessions, and received a course evaluation score as a TA of 4.88/5 for the course of Analytical Methods for Global Policy Studies.
  - Taught mixed-methods research class as a guest lecturer and led weekly 2-hour discussion for the course of Social Research Methods.
  - Graded assignments for the courses of Advanced Financial Management, Microeconomics, Climate Change Mitigation, Analytical Methods for Global Policy Studies, and Social Research Methods.
- June 2022-  
Sept 2022 **Research Intern**, Global Environmental Institute (Overseas Investment, Trade, and the Environment Program)
- Collected and analyzed data through R and Python to map beef supply chain from Brazil to China.
  - Reviewed literature on the management policies and methods of beef smallholders in developing countries.
  - Conducted comparative analysis and draft report for constructing green beef supply chains.
- Mar 2018-  
July 2019 **Senior Communication Specialist**, Shanghai United Foundation
- Authored a picture book, [Reform the Little Monster](#), for educating children about aging and death.
  - Researched, developed, and drafted online fundraising projects on social media and main fundraising platforms.
  - Supported team in designing, organizing, and executing offline fundraising activities.
  - Interviewed NGO officers and donors, and recorded offline charity activities for public communication.
- Oct 2018-  
Aug 2019 **Remote Associate Editor**, Beijing Kungediao Media Co., Ltd.
- Editing for a new media platform with over 500,000 subscribers to promote women empowerment.
  - Collaborated with 20+ copywriters for brainstorming, fact-checking, and proofreading.
  - Designed, proposed, and executed 13 online events.

## RESEARCH EXPERIENCE

- Jan 2023-  
June 2023 **Computational Social Science Project on a Comparison of AI-generated and Human-written Nonprofit Mission Statements**  
LBJ School of Public Affairs, The University of Texas at Austin, Austin

- Complied 10,572 samples of NPOs to evaluate the analytical thinking and level of affect (positive and negative) of AI-generated content versus human-written content, focusing on mission statements in the nonprofit sector.
- Generate mission statements for NPOs by the model of to gpt-3.5-turbo by utilizing OpenAI API, aiming to alleviate the challenges faced by early-stage organizations in crafting persuasive, concise mission statements.
- Applied text analysis using Linguistic Inquiry and Word Count (LIWC-22) to compare the characteristics of human-written and AI-generated mission statements.

Sep 2023-  
Dec 2023

### **Web Application Development Project on an Ammunition Forecast Tool**

School of Information, The University of Texas at Austin, Austin

- Conducted a comprehensive Software Requirement Specification (SRS), ensuring clear documentation of functional and non-functional requirements.
- Design, develop, and deploy a fully functional [website](#) dedicated to streamline the training resource management for ammunition.

Aug 2022-  
Dec 2022

### **Mixed-methods Project on Just Energy Transition in Developing Countries** (Namibia, South Africa, and Bangladesh)

Global Environmental Institute, Beijing (Remote) & The University of Texas at Austin, Austin

- Compiled and cleaned 509,419 samples in Python to predict solar radiation potential in Namibia.
- Compared and identified the optimal machine learning models to predict electricity interruptions in South Africa through R (*The models include ridge and lasso regression, logistic regression, LDA and QDA, KNN, SVM, random forest, and gradient boosting regressor*).
- Visualize the solar power potential of 54 African countries by ArcGIS Pro and ArcGIS [StoryMaps](#).
- Conduct energy needs assessment for nonelectrified communities in rural Africa and in Bangladesh.

Sept 2021-  
May 2022

### **Quantitative Replication Projects on Climate Anomalies and Energy Poverty**

LBJ School of Public Affairs, The University of Texas at Austin, Austin

- Performed data cleaning and statistical analysis of 108,591 samples from China Family Panel Studies.
- Analyzed and visualized results in Python by stepwise Ordinary Least Square (OLS) regression to understand the correlation between energy poverty and subjective wellbeing and if they are disproportionately related to different gender.
- Completed the report and presentation under the guidance of Prof. Ji Ma and Prof. Erin Lentz.

Feb 2022

### **Conference Presentation of Qualitative Research on Ethnic Minority and Cultural Preservation**

Department of Asian Studies, The University of Texas at Austin, Austin

- Designed semi-structured interview questions and interviewed three groups of stakeholders, including government departments, ethnic minority group, and the government-led ethnic tourism company.
- Completed research and presented as a panelist at the Texas Asia Conference 2022.

Dec 2013-  
Nov 2017

### **Data Compiling and Consolidation in Fieldwork**

China Agricultural University & Peking University & The Chinese University of Hong Kong

- Conducted eight fieldwork trips for qualitative research in three major cities and two rural communities on ethnic minorities, migrant workers, and NGOs.
- Interviewed residents for 200 hours to collect data for the China Health and Retirement Longitudinal Study (CHARLS) in two communities and four villages in Zhejiang province.

## **SKILLS**

- Quantitative analysis: statistical analysis with R and Python (machine learning), ArcGIS Pro, Tableau, Excel
- Qualitative analysis: interviews, fieldwork, participatory rural appraisal (PRA), needs assessment, impact evaluation
- Multi-culture & interpersonal communication
- Documentary production, video editing by Adobe Premiere

## **LANGUAGES**

- Mandarin Chinese (Native proficiency)
- English (Full professional proficiency | Certificate in Teaching English to Speakers of Other Languages)
- Japanese (Intermediate | Japanese-Language Proficiency Test: N3)

## **AWARDS**

Dec 2022-Nov	CONNECT Project Fellowship (three projects)   RGK Center for Philanthropy and Community Service, UT Austin
Nov 2022	Israel Field Study Fellowship   RGK Center for Philanthropy and Community Service, UT Austin
Oct 2022	Barbara Jordan Professional Development Fellowship   UT Austin
Aug 2022	Dean's Graduate Fellowship   UT Austin
June 2022	William H. Crook Program in International Affairs Fellowship   UT Austin
Feb 2017	Fellowship for Fieldwork in Yunnan, China   The Chinese University of Hong Kong (CUHK)
June 2016	Outstanding Thesis Award   China Agricultural University (CAU)
Nov 2015	Scholarship for Academic Excellence   China Agricultural University (CAU)