

Curriculum Vitae/Resume

Qingze Zhu

Email: qzhu237@wisc.edu | Mobile: (+1) 6082092891

Personal-Webpage: [link](#)

EDUCATION

University of Wisconsin-Madison Bachelor of Science (B.S.) in Statistics	01/2024–12/2025
Wuhan Polytechnic University Associate Degree (A.D.) in Business English	10/2020–06/2023
MITx Certificate: Computer Science and Programming Using Python; MITx Micromasters: Supply Chain Management	
University of Amsterdam Coursera Certificate: Classical Sociological Theory; Research Methods in Sociology	

RESEARCH EXPERIENCE

Faculty-Supervised Research: Teaching Technology & Reproducible Research University of Wisconsin–Madison, Madison, WI	09/2025–12/2025 Supervisor: Prof. Bo Yang
• Built interactive course tools and use handouts with JavaScript/Python, including an animated derivation from discrete random walk to Brownian motion; developed a probability knowledge map with hover highlights and click-through links to notes.	
• Standardized R Markdown/Quarto outputs: added chunk options, code folding, and show/hide controls to improve HTML readability and reproducibility.	
• Developed a Brownian-motion–based classroom model to illustrate income volatility for smallholder farmers under different intermediary and price regimes, using visualizations to prompt discussion about rural risk and inequality.	
Independent Research: Agricultural Supply Chain & Processing University of Wisconsin–Madison, Madison, WI	05/2025–09/2025 Supervisor: Prof. Sinan Tas
• Examined how processing-location decisions shape smallholder participation in cross-border agricultural value chains, using China→US konjac trade as a case.	
• Built an arrival-rate-conserving network-flow model to formalize trade-offs between “fresh → processed” conversion at origin vs. destination under different logistics and loss structures.	
• Found that processing near origin ports can reduce total landed cost by 52.8% (\$20,119→\$9,492) and effective loss by 62.4%; derived simple rules whose recommendations agree with the optimizer in ≈96% of cases.	
• Produced a working paper and fully reproducible code/data package shared with partner cooperatives to support their strategy discussions on near-origin processing and farmer income stability.	
Data Analysis Project: Agricultural Development Patterns & Farmers’ Income University of Wisconsin–Madison, Madison, WI	07/2025–09/2025
• Assembled a multi-decade panel dataset (≈30 years) for 266 World Bank countries for farmers’ incomes; harmonized series and handled missing values for cross-country comparison.	
• Built an interactive dashboard with world maps, time-series plots, and dumbbell charts comparing top vs. bottom countries and ratios of farmer income to national averages.	
• Analyzed relationships between mechanization, value added, and farmer incomes, showing cases where higher aggregate value or mechanization does not translate into proportional gains for farm households.	
Fieldwork Lead: Rural Livelihoods & Direct-Sales Pilot Majiaba Village, Zigui County, Hubei, China	07/2021–08/2022
Year 1:	
• Conducted mixed-methods research on income drivers among ~200 citrus-farming households (stratified survey + semi-structured interviews); produced anonymized datasets and interview transcripts.	
• Identified dependence on single sales channels and long intermediary chains as key constraints on bargaining power, price realization, and income stability.	

- Interviewed Supply & Marketing Cooperative staff and township officials to compile a 30-year oral history of marketing-channel changes and to assess shifting forms of state and cooperative support.

Year 2:

- Designed and implemented the “Orange Warms the Countryside” WeChat Mini Program to pilot direct sales and basic vendor-managed inventory for local households.
- Introduced ABC supplier tiering and simple stock-management practices; over six months, reduced spoilage by ≈25% and helped 10 farmers achieve a collective income increase of ≈¥100,000.

WORKING PAPERS & PREPRINTS

- Zhu, Qingze. 2025. “Processing Location for Cross-Border Perishables with Arrival-Rate-Conserving Conversion: Thresholds, Strategy Frontiers, and a China-US Case.” SSRN working paper no. 5408150. doi.org/10.2139/ssrn.5408150
- Zhu, Qingze. 2025. “Multi-Echelon Inventory Optimization Framework with ABC-XYZ Classification: Evidence from Simulation-Based Validation.” SSRN working paper no. 5407306. doi.org/10.2139/ssrn.5407306

HONORS AND AWARDS

First Prize, 8th OCALE National Cross-border E-commerce Competition	11/2022
First Prize (Nationwide), 12th Practice for Operational Competence in International Business	10/2022
First Prize, 3rd National New Retailing Foreign Trade Skills Competition	05/2022

PROFESSIONAL EXPERIENCE

- Consultant** 12/2022–11/2023
Zhejiang Yangtian Company Co., Ltd.
- Managed data and inventory systems for a multi-store e-commerce operation (20 online stores; ~2.1k orders/day avg, 5k+ peak; ~4.2k SKUs; 3 DCs; 5 external plants).
 - Analyzed how platform commission structures, promotion and rating rules, and logistics constraints shaped pricing, product assortment, and service levels for small and medium suppliers.
 - Led ERP-based standardization of SKU coding, units, inventory aging, and in-transit tracking, enabling differentiated service tiers and replenishment policies across key vs. long-tail products.
 - Built dashboards and anomaly alerts for stockouts, long-tail demand, and negative inventory, improving inventory-record accuracy to 97.5%, OTIF to 98%, cutting stockouts by ~45%, and reducing Days of Inventory by 30 days (≈¥4.5–5.2M working capital released).

- Regional Lead (China)** 12/2022–06/2023
SOAR International
- Collected and vetted international volunteer projects; assessed processes and feasibility.
 - Delivered campus talks across nearby provinces; recruited and interviewed volunteers.
 - Operated Xiaohong Shu and WeChat Official Account; produced analyses and stories on volunteer experiences.

COMMUNITY ENGAGEMENT

- Program Initiator & Coordinator: Pediatric ICU Volunteer Partnership** 02/2021–06/2022
Wuhan Children’s Hospital
- Established a point-to-point partnership between campus volunteers and ICU units; organized weekly selection/training and weekend bedside activities (games/companionship).
 - Held supportive conversations with parents of children under treatment (e.g., leukemia/brain tumors); compiled anonymized needs lists and connected families with charities/social services.

- Volunteer Teacher: Ayi Potato Teaching Support Project** 09/2018–06/2020
Liangshan Autonomous Region
- Taught Chinese across three grades (two classes); coordinated day-to-day learning and student well-being.
 - Conducted monthly home visits; recorded study conditions, parental attitudes, and how family income/structure affected schooling.
 - Counseled parents reluctant to keep children in school; compiled hardship cases and submitted to local authorities for assistance.