

# Ruoxiao Su

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## EDUCATION

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- May 2027  
(expected) University of Texas at Austin, TX  
**Ph.D., Organizational Communication & Technology (Interest in Disasters)**  
*Advisor:* Dr. Keri K. Stephens  
*Courses:* Quantitative Research Methods, Computational Research Methods, Design and Analysis of Experiments
- June 2023 University of Science and Technology of China (USTC), Hefei, China  
**Master, Journalism & Communication**  
*Advisor:* Dr. Mengxiao Zhu  
*Courses:* Quantitative and Qualitative Research Methods, Science Education Research and Evaluation
- June 2020 **B.E., Polymer Materials & Engineering; B.A., Communication**  
*Courses:* Probability and Statistics, Calculus, Linear Algebra, Programming (C++)

## PEER-REVIEWED JOURNAL ARTICLES

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\* Corresponding author

Zhu, M., **Su, R.\***, Liu, L., Contractor, N. (in press). Communicate or not: Exploring the different effects of instrumental and expressive networks on thriving at work. *Journal of Management & Organization*. <https://doi.org/10.1017/jmo.2024.5>

Zhu, M., Liu, L.\* , **Su, R.**, Contractor, N. (in press). Revisiting the effects of social networks on enterprise collaboration technology use: A fuzzy-set qualitative comparative analysis approach. *Decision Support System*. <https://doi.org/10.1016/j.dss.2023.114017> (Impact Factor: 7.5)

## CONFERENCE PAPERS

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\* Corresponding author

**Su, R.**, Liu, L., Zhu, M.\*, Su, C., Xu, Q. (2023, May). A daily study on the relationship between work-family conflict and knowledge hiding: Moderating roles of social networks. *73<sup>rd</sup> Annual International Communication Association Conference (ICA)*. Toronto, Canada.

Liu, L., Zhu, M.\*, **Su, R.**, Wang, X., Xu, Q. (2023, May). Investigating the role of advice relations on employee creativity: A social network perspective. *73<sup>rd</sup> Annual International Communication Association Conference*. Toronto, Canada.

**Su, R.**, Zhu, M.\*, Liu, L., DeChurch, L., Contractor, N. (2022, May). Explaining thriving at work and job satisfaction: Exploring the different roles of the instrumental and the expressive networks. *72<sup>nd</sup> Annual International Communication Association Conference*. Paris, France.

Liu, L., Zhu, M.\*, **Su, R.**, DeChurch, L., Contractor, N. (2022, May). Understanding the dynamic role of social networks in technology-based collaboration in responding to the COVID-19 pandemic. *72<sup>nd</sup> Annual International Communication Association Conference*. Paris, France.

Chen, X., Yao, Y., **Su, R.** (2021, July). Digital self-disclosure and social support—Online health community use for families with autism. *China Sociology Association Annual Conference*. Chongqing, China. (presenter)

## **RESEARCH EXPERIENCE**

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- 2023 – present    **Research Assistant**, UT Austin, Moody College of Communication  
*Identifying How to Communicate Uncertainty and Risk Through Visualization of Flood Data*. Research conducted with Dr. Keri Stephens (PI).
- Beginning on literature reviews
- 2023 – present    **Research Assistant**, UT Austin, Moody College of Communication  
*Messaging Strategies for Increasing HPV Vaccination Intentions*. Research conducted with Dr. Keri Stephens (PI) and Dr. Matthew McGlone.
- Conducted experimental data analysis (ANOVA, regression, and factorial design)
  - Composed the manuscript (in progress)
- 2022 – 2023        **Research Assistant & Project Coordinator**, USTC  
*Multimodal Communication of HPV Vaccine on Social Media*. Research conducted with Dr. Mengxiao Zhu and Dr. Cuihua Shen.
- Scheduled project meetings
  - Managed 100GB+ multimodal big data set on the online server
  - Involved in theoretical development
  - Analyzed multimodal media with computational methods (Whisper and BERTopic) and phonetics analysis methods
  - Wrote the manuscript (in progress)
- 2022                **Research Assistant & Project Coordinator**, USTC  
*Misinformation Spreading on Social Media*. Research conducted with Dr. Yongdong Zhang (PI) and Dr. Mengxiao Zhu (Co-PI).
- Analyzed large-scale social media user behavioral data
  - Simulated misinformation spreading models with agent-based modeling (NetLogo)
  - Composed research reports of over 30,000 words

## **TEACHING EXPERIENCE**

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**Teaching Assistant**, UT Austin

SP 2024                      *Course:* Interpersonal Communication Theory  
FA 2023                      *Course:* Nonverbal Communication

**Teaching Assistant, USTC**

SP 2022, FA 2022                      *Course:* Social Network Analysis

- Collaborated with the international teaching team
- Organized weekly teaching meetings
- Held lab sessions, and tutored student class projects

FA 2019, SP 2020, FA 2020, SP 2021, FA 2021                      *Course:* Safety in the Chemical Lab

- Designed virtual experiment platform
- Managed class materials on the MOOC platform
- Analyzed student online engagement data
- Hosted remote lectures for students from 5+ universities

**EXPERTISE**

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**Research Skills**                      Interdisciplinary and international collaboration, Project management, Study design, Literature reviews, Critical thinking, Data collection, Quantitative analysis, Computational analysis, Qualitative analysis, Academic writing and presentation

**Data Analysis**

- Human-Centered Data Collection: Survey, Experimental, Eye tracking, Social media data
- Qualitative Analysis: Interview, Focus group, Coding, Content analysis
- Quantitative Analysis: Regression, ANOVA, Structural equation model
- Computational Analysis: Natural language processing, Machine learning, Social network analysis, Agent-based modeling
- Data Visualization
- Phonetics Analysis

**Programming Technology Language**                      R, Python (pandas, numpy, etc.), C/C++, MATLAB, NetLogo  
MS Office, SPSS, Adobe Audition, Premiere, Photoshop, Gephi, Praat, Canvas  
Chinese, English, Japanese

**PROFESSIONAL SERVICE**

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**Volunteer**                                      National Communication Association Conference, November 2023

**Mentor Assistant for Undergraduate Students**                      School of Chemistry & Materials Science, USTC, September 2020 – June 2023

**Session Host and Volunteer**                                      International Communication Association (ICA) Regional Hub in Hefei, China, May 2022

**Volunteer**                                      ICA Regional Hub in Hefei, China, May 2021

**Vice Chief of Secretary**      Graduates' Union of School of Humanities & Social Sciences,  
USTC, September 2020 – August 2021

**Volunteer**                      Committee of International Student Admissions, International  
College, USTC, November 2020 – April 2021