

YAJIE XU

CONTACT INFORMATION	Department of Economics University of South Florida 4202 E. Fowler Ave., CMC 205E Tampa, FL 33620	yajie@usf.edu yajiexu.com
EDUCATION	Ph.D. in Economics, University of South Florida <i>Committee:</i> Andrei Barbos (Chair), Murat Munkin, William Greene, Bobby Chung, Michael König, Vincent Boucher	Expected May 2027
	M.S. in Artificial Intelligence, University of South Florida B.S. in Economics, Hubei University	Expected May 2027 2020
FIELDS	<i>Primary:</i> Applied Econometrics, Economics of Networks <i>Secondary:</i> Innovation, Economics of AI, Behavioral and Experimental Economics	
JOB MARKET PAPER	Bayesian Estimation of Endogenous Network Effects in SAR Models: Application to R&D Collaboration with Murat Munkin This paper develops a Bayesian framework for estimating spillover effects in SAR models with endogenous network formation. A latent structure links outcome and network-selection equations while allowing efficient MCMC estimation and an extension to unbalanced panel data. Applied to R&D alliances among pharmaceutical firms, the model finds significant positive spillover effects and strong evidence of endogenous network formation, and shows how immigrant senior executives influence both alliance formation and firm performance. A counterfactual policy exercise shows that changes in the share of immigrant-led firms propagate through endogenous network formation and network spillovers, affecting firms beyond those directly targeted by the policy.	
WORKING PAPERS	Super-Connectors: Immigrant Executives and the Architecture of R&D Networks with Kazuma Takakura CRetor: How People Counter Hate Across Mandarin Online Communities with Michael Bennie, Chenfeng Su, Yichuan Shen, Xiaoyu Chen, Rosa Weng, and Bushi Xiao From Utterances to Attainment: Evaluating LLM and Fine-Tuned Annotators of Bloom’s Taxonomy in Human–AI Dialogue with Vivekanandhan Kathirvel, Mohammad Ratul Mahjabin, Phuong Pham, Abdul Moeed Zahid, and Raiyan Abdul Baten	
WORK IN PROGRESS	Heterogeneous Spillovers in Large Endogenous Networks: A Bayesian Approach Learning to Be Wrong: Generative AI, Intellectual Humility, and Belief Updating with Mohammad Ratul Mahjabin and Raiyan Abdul Baten Timeline Detective: An AI-Supported Game for Inferential Comprehension and Collaborative Reasoning with Glenn Smith, Gene Kim, and Maurício Pamplona Segundo	

PRE-DOCTORAL PUBLICATIONS	The Impact of Executive Compensation Incentives on Firm Size: An Empirical Study Based on Innovative Companies <i>China Journal of Commerce</i>, 2020, no. 1, pp. 108–113 (in Chinese) The Study of Style Rotation in Chinese Stock Market <i>Proceedings of the 3rd International Conference on Business and Information Management</i>, 2019, pp. 80–86
SEMINARS AND CONFERENCES	2026 NSF/CEME Seminar in Bayesian Inference in Econometrics and Statistics; Eleventh Annual Conference on Network Science and Economics 2025 Southern Economic Association Annual Conference; Workshop in Applied and Theoretical Economics, University of Florida; Tenth Annual Conference on Network Science and Economics (poster) 2024 Conference on Complex Systems and Complexity in Economics & Finance Workshop; NetSci (poster)
RESEARCH EXPERIENCE	Graduate Researcher, Computational Social Science and AI Lab, USF 2025–present Research Assistant, Peking University (quantitative investment) 2019
TEACHING EXPERIENCE	University of South Florida, Department of Economics: Instructor, Principles of Macroeconomics Fall 2023, Spring 2024 Teaching Assistant 2021–2026 <i>Graduate:</i> Time Series Analysis. <i>Undergraduate:</i> Econometrics; Time Series and Forecasting; Game Theory; Mathematical Economics; Economic Growth; Intermediate Macroeconomics; Intermediate Price Theory; Analytical Tools for Economists
AWARDS AND FELLOWSHIPS	Women in Leadership & Philanthropy Scholarship, USF 2025, 2026 Conference Presentation Grant, University of South Florida 2024, 2026 Vernon Grigg Scholars Award, University of South Florida 2025 First Place, Best Overall Hack, HackUSF 2025 Dr. Jane Applegate Promising Scholar Award, University of South Florida 2024 First Place, Health Challenge, MIT Policy Hackathon 2024 Excellent Undergraduate Thesis, Hubei University 2020
ADDITIONAL TRAINING	Econometrics of Networks Summer School, Vrije Universiteit Amsterdam 2023 MicroMasters in Statistics and Data Science, MITx 2024
SKILLS	<i>Econometrics & Statistics:</i> MATLAB, R, Stata, Python <i>AI Applications:</i> machine learning, NLP, LLM APIs <i>Web & Experiment Development:</i> Firebase, AWS, Empirica <i>Languages:</i> Mandarin Chinese (native), English (fluent)