Jiaheng Xie

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Faculty Page
Google Scholar

Academic Appointments

2020–Present Lerner College of Business & Economics, **University of Delaware**
- Assistant Professor of Management Information Systems (Tenure-Track)
- SWUFE-UD Joint Educational Institute Research Fellow
- Lerner FinTech Scholar
- Affiliated Faculty, Institute for Financial Services Analytics
- Affiliated Faculty, SWUFE-UD Joint Educational Institute
- Affiliated Faculty, MS in Data Science Program

Education

2015–2020 Eller College of Management, **The University of Arizona**
- Ph.D. in Management Information Systems
- Minor in Computational Linguistics
- Graduate Certificate in College Teaching

2011–2015 Renmin Business School, **Renmin University of China**
- BBA with a Concentration on Management Science

Research Interests

Methods Interpretable AI, Large Language Model, Generative AI, Deep Learning, Bayesian Network, Knowledge Graph
Topics Health Analytics, FinTech, Misinformation, IoT Sensor

Awards and Honors

2025 AIS Early Career Award
2025 Associate Editor, ACM Transactions on Management Information Systems, 2025–Present
2025 Best Paper Award Winner of Internet and the Digital Economy Track, Hawaii International Conference on System Sciences (HICSS) 2025
2023 Lerner FinTech Scholar
2023 Best Student Paper Nominee, INFORMS Workshop on Data Science 2023 (The first author was my student)
2023 Accounting & MIS Department Faculty Research Award
2022 Best Complete Paper Nominee, INFORMS Workshop on Data Science 2022
2022 SWUFE-UD Joint Educational Institute Research Fellow
2021 Best Paper Award Winner, Workshop on Information Technologies and Systems (WITS) 2021
2019 Doctoral Consortium Fellow, International Conference on Information Systems (ICIS) 2019
2019 Doctoral Consortium Fellow, Americas Conference on Information Systems (AMCIS) 2019
2019 James F. LaSalle Teaching Excellence Award, The University of Arizona
2019 Best Paper Award Runner-Up, International Conference for Smart Health (ICSH) 2019
2019 Graduate and Professional Student Council Travel Grant, The University of Arizona
2018 Doctoral Consortium Fellow, Conference on Health IT and Analytics (CHITA) 2018
2018 Best Paper Award Runner-Up, International Conference for Smart Health (ICSH) 2018
2015 Nunamaker-Chen MIS Doctoral Scholarship, The University of Arizona

Research Grants

1. Lerner Research Grant: "From Detection to Discovery: A Closed-Loop Approach for Continuous Medical Knowledge Expansion and Depression Detection on Social Media"
   - Role: PI; Amount: $5,000; Period: 2025
2. Lerner Research Grant: "Interpretable AI for Mental Health Management Using Wearable Sensors"
   - Role: PI; Amount: $5,000; Period: 2024
3. University of Delaware Research Foundation Strategic Initiatives (UDRF-SI): "Care for the Mind Amid Chronic Diseases: An Interpretable AI Approach Using IoT"
   - Role: PI; Amount: $55,000; Period: 2023–2024
   - The first time UDRF-SI is awarded to a Lerner faculty
   - UDRF-SI is awarded to 3-4 faculty members university-wide each year
4. University of Delaware General University Research (GUR): "Understanding Health Misinformation Transmission: An Interpretable Deep Learning Approach to Manage Infodemics"
   - Role: PI; Amount: $15,000; Period: 2021–2023
   - GUR is awarded to 11-12 faculty members university-wide each year

Journal Publications

FT 50: 50 Journals Used in FT Research Rank
UTD 24: UT Dallas Top 24 Business Journals
Google Scholar Citation: Link

UTD 24 & FT 50 Journal Publications

1. Kuang, J.*, **Xie, J.***, and Yan, Z. (2025). Symptoms and Their Temporal Distributions: An Interpretable AI Approach for Depression Detection in Social Media. ***MIS Quarterly*** (**FT 50, UTD 24**), conditionally accepted. (*Co-first Author and Equal Contribution)
2. Geng, S.*, Zhang, W.*, **Xie, J.***, Liang, G., Niu, B., and Ram, S. (2025). Predicting Consultation Success in Online Health Platforms Using Dynamic Knowledge Networks and Multimodal Data Fusion. ***MIS Quarterly*** (**FT 50, UTD 24**), in press. (*Co-first Author and Equal Contribution)
3. **Xie, J.**, Zhao, X., Liu, X., and Fang, X. (2025). Care for the Mind Amid Chronic Diseases: An Interpretable AI Approach Using IoT. ***Management Science*** (**FT 50, UTD 24**), in press.
   - Best Paper Award Winner of Internet and the Digital Economy Track, Hawaii International Conference on System Sciences (HICSS) 2025
   - Best Complete Paper Nominee, INFORMS Workshop on Data Science 2022
   - Awarded University of Delaware Research Foundation Strategic Initiatives (UDRF-SI) Grant 2022–2023 ($55,000; The first time UDRF-SI is awarded to a Lerner faculty since 2010)
4. **Xie, J.**, Chai, Y., Liang, R., Liu, Y., and Zeng, D. (2025). Short-Form Videos and Mental Health: A Knowledge-Guided Neural Topic Model. ***Information Systems Research*** (**FT 50, UTD 24**), 0(0).
   - Media Coverage: *INFORMS News Room*, *UD Media Expert Spotlight*
5. Zhao, L., Ding, S., Chai, Y., **Xie, J.**, Fang, X., and Yang, S. (2025). Responsible AI-Enabled Infodemic Management: A Hypergraph-based Infodemic Topic Prediction Framework. ***INFORMS Journal on Computing*** (**UTD 24**), 0(0).
6. Zhang, W.*, **Xie, J.***, Zhang, Z., and Liu, X. (2024). Depression Detection Using Digital Traces on Social Media: A Knowledge-aware Deep Learning Approach. ***Journal of Management Information Systems (JMIS)*** (**FT 50**), 41(2), 546-580. (*Co-first Author and Equal Contribution)
7. **Xie, J.**, Chai, Y., and Liu, X. (2023). Unbox the Blackbox: Predict and Interpret YouTube Viewership Using Deep Learning. ***Journal of Management Information Systems (JMIS)*** (**FT 50**), 40(2), 541-579.
   - Best Paper Award Winner, WITS 2021
   - Awarded General University Research (GUR) Grant 2021 ($15,000)
8. **Xie, J.**, Liu, X., Zeng, D., and Fang, X. (2022). Understanding Medication Nonadherence from Social Media: A Sentiment-Enriched Deep Learning Approach. ***MIS Quarterly*** (**FT 50, UTD 24**), 46(1), 341-372.
   - Best Paper Award Runner-Up, ICSH 2019

9. **Xie, J.**, Zhang, Z., Liu, X., and Zeng, D. (2021). Unveiling the Hidden Truth of Drug Addiction: A Social Media Approach Using Similarity Network-Based Deep Learning. ***Journal of Management Information Systems (JMIS)*** (**FT 50**), 38(1), 166-195.

Other Publications

10. **Xie, J.**, Zhang, B., Ma, J., Zeng, D., and Lo-Ciganic, J. (2021). Readmission Prediction for Patients with Heterogeneous Medical History: A Trajectory-Based Deep Learning Approach. ***ACM Transactions on Management Information Systems (TMIS)***, 13(2), 1-27.
    – Best Paper Award Runner-Up, ICSH 2018
11. **Xie, J.**, Zhang, B., Brown, S., and Zeng, D. (2021). Write Like a Pro or an Amateur? Effect of Medical Language Formality. ***ACM Transactions on Management Information Systems (TMIS)***, 12(3), 1-25.
12. Tyagi, S., Qian, W., **Xie, J.**, and Andrews, R. (2024). Enhancing Gender Equity in Resume Job Matching via Debiasing-assisted Deep Generative Model and Gender-weighted Sampling. ***International Journal of Information Management Data Insights***, 4(2), 100283.
13. Zeng, D., Zhang, Z., Liang, J., Xu, N., Wang, K., Yang, Y., Chen, W., Xu, Y., Liu, P., and **Xie, J.** (2021). Machine Behavior and Human-Machine Collaborative Decision: Theory and Methods. ***Journal of Management Science***, 34(6), 55-59.
14. **Xie, J.**, Liu, X., and Zeng, D. (2018). Mining E-cigarette Adverse Events in Social Media Using Bi-LSTM Recurrent Neural Network with Word Embedding Representation. ***Journal of the American Medical Informatics Association (JAMIA)***, 25(1), 72-80.
    – Premier Journal in Health Informatics
15. **Xie, J.**, Zeng, D., and Marcum, Z. A. (2017). Using Deep Learning to Improve Medication Safety: The Untapped Potential of Social Media. ***Therapeutic Advances in Drug Safety***, 8(12), 375-377.

Papers Under Review

1. Liu, H., Zhang, W., **Xie, J.**, Kim, B., Chai, Y., and Ram, S. Few-Shot Learning for Mental Disorder Detection: A Continuous Multi-Prompt Engineering Approach with Medical Knowledge Injection. **Reject & Resubmit** at ***MIS Quarterly*** (**FT 50, UTD 24**).
2. Yang, L.*, **Xie, J.***, Yin, Q., and Yan, Z. AI-enabled Empathetic Dialogue Generation: An Emotional Intelligence-enhanced Multi-agent Reinforcement Learning Approach. Under review at ***Management Science*** (**FT 50, UTD 24**). (*Co-first Author and Equal Contribution)
3. Geng, S.*, Zhang, W.*, **Xie, J.***, Wang, R., and Ram, S. From Detection to Discovery: A Closed-Loop Approach for Simultaneous and Continuous Medical Knowledge Expansion and Depression Detection on Social Media. Under review at ***MIS Quarterly*** (**FT 50, UTD 24**). (*Co-first Author and Equal Contribution)
4. Chai, Y., Liu, H., **Xie, J.**, Wang, C., and Fang, X. Collaborative Management for Chronic Diseases and Depression: A Double Heterogeneity-based Multi-Task Learning Method. Under review at ***Information Systems Research*** (**FT 50, UTD 24**).
5. Chai, Y., Liu, Y., Zhou Y., **Xie, J.**, and Zeng, D. A Bayesian Hybrid Parameter-Efficient Fine-Tuning Method for Large Language Models. Under review at ***INFORMS Journal on Computing*** (**UTD 24**).
6. Chai, Y., Shi, K., **Xie, J.**, Liu, C., Jiang, Y., and Liu, Y. Detecting Fake News on Social Media: A Novel Reliability Aware Machine-Crowd Hybrid Intelligence-Based Method. **Major revision** at ***Information & Management***.

Working Papers

1. Kuang, J., **Xie, J.**, Zhao, M., and Yan, Z. Combining the Crowd- and the Self-level Routing: An History-Aware Mixture-of-Experts for Depression Monitoring.
2. Kuang, J., **Xie, J.**, Zhao, M., and Yan, Z. Precision Depression Monitoring with Wearable Sensors: A Multi-stage Adaptive Robust Transfer Learning Algorithm.
3. Peng, F., **Xie, J.**, and Yan, Z. A Theory-Driven Smart Depression Assessment Approach: A Dynamical Systems Perspective.
4. Geng, S., Zhang, W., **Xie, J.**, and Ram, S. Protect Teens from Negative Social Comparison on Short-Form Videos: A Large Language Model Approach with Fine-Tuning.
5. Liu, Y., Zhou, Y., **Xie, J.**, Chai, Y., and Chen, Y. Startup Success Predictions in Venture Capital: A Bayesian Network Approach with Expert Knowledge Injection.

6. Chai, Y., Ge, X., and **Xie, J.** Managing Health Misinformation on Short-Form Videos: A Retrieval-Augmented Generation Approach.

Conference Proceedings and Workshops (* Presenting Author)

1. Zhang, W., Geng, S., **Xie, J.**, and Ram, S. (2025). From Detection to Discovery: A Joint Learning Framework for Medical Knowledge Discovery and Depression Detection Using User-generated Content. *Hawaii International Conference on System Sciences* 2026. Hawaii, USA.
2. Yang, L., **Xie, J.**, Yin, Q., Yan, Z., Dong, Y., and Lin, Y. (2025). Probing Empathetic Dialogue for Mental Health Support: An Emotional Intelligence-enhanced Multi-agent Reinforcement Learning Approach. *INFORMS Workshop on Data Science* 2025. Atlanta, USA.
3. Yang, L., **Xie, J.**, Yin, Q., Yan, Z., Dong, Y., and Lin, Y. (2025). Probing Empathetic Dialogue for Mental Health Support: An Emotional Intelligence-enhanced Multi-agent Reinforcement Learning Approach. *International Conference on Information Systems (ICIS)* 2025. Nashville, USA.
4. Kuang, J., **Xie, J.**, Zhao, M., and Yan, Z. (2025). Monitoring Depressive Episodes Using Sensor Data: A Hierarchical Multi-Task Learning Approach with Prototype Normalization. *China Summer Workshop on Information Management* 2025. Xi'an, China.
5. Geng, S., Zhang, W., **Xie, J.**, and Ram, S. (2025). Learning Through Predicting and Predicting Through Learning: A Joint Learning Framework for Medical Knowledge Discovery and Disease Detection Using User-generated Content. *Summer Workshop on AI for Business* 2025. Hefei, China.
6. Kuang, J., **Xie, J.**, Zhao, M., and Yan, Z. (2025). Monitoring Depressive Episodes Using Sensor Data: A Hierarchical Multi-Task Learning Approach with Prototype Normalization. *Summer Workshop on AI for Business* 2025. Hefei, China.
7. Peng, F., **Xie, J.**, and Yan, Z. (2025). SADA: A Deep Learning Approach for Smart Depression Assessment. *Hawaii International Conference on System Sciences* 2025. Hawaii, USA.
8. ***Xie, J.**, Zhao, X., Liu, X., and Fang, X. (2025). Care for the Mind Amid Chronic Diseases: An Interpretable AI Approach Using IoT. *Hawaii International Conference on System Sciences* 2025. Hawaii, USA.
   – Best Paper Award Winner of Internet and the Digital Economy Track
9. Liu, H., Zhang, W., ***Xie, J.**, Kim, B., Zhang, Z., Chai, Y., and Ram, S. (2025). Few-Shot Learning for Chronic Disease Management: Leveraging Large Language Models and Multi-Prompt Engineering with Medical Knowledge Injection. *Hawaii International Conference on System Sciences* 2025. Hawaii, USA.
10. Zhang, L., Wang, G., **Xie, J.**, Hong, Y., and Wang, K. (2024). Disclose or Not? Social Identity and Hate Speech in Online Communities. *Workshop on Information Technology and Systems 2024.* Bangkok, Thailand.
11. Wang, G., Fu, X., **Xie, J.**, Wang, K., and Maruping, L. (2024). Evaluating the Impact of Human Confidence Disclosure on Human-Gen AI Team Performance: An IT Identity Threat Perspective. *Conference on Information Systems and Technology* 2024. Seattle, USA.
12. Peng, F., **Xie, J.**, and Yan, Z. (2024). SADA: A Deep Learning Approach for Smart Depression Assessment. *Conference on Information Systems and Technology* 2024. Seattle, USA.
13. Geng, S., Zhang, W., **Xie, J.**, Liang, G., Niu, B., and Ram, S. (2024). Predicting Consultation Success in Online Health Platforms Using Dynamic Knowledge Graphs and Multimodal Data Fusion. *International Conference on Information Systems (ICIS)* 2024. Bangkok, Thailand.
14. Kuang, J., ***Xie, J.**, and Yan, Z. (2024). What Symptoms and How Long? An Interpretable AI Approach for Depression Detection in Social Media. *Hawaii International Conference on System Sciences* 2024. Hawaii, USA.
15. Kuang, J., ***Xie, J.**, and Yan, Z. (2023). What Symptoms and How Long? An Interpretable AI Approach for Depression Detection in Social Media. *International Conference on Information Systems (ICIS)* 2023. Hyderabad, India.
16. Geng, S., Zhang, W., **Xie, J.**, Liang, G., and Niu, B. (2023). Patient Dropout Prediction in Virtual Health: A Multimodal Dynamic Knowledge Graph and Text Mining Approach. *INFORMS Workshop on Data Science* 2023. Phoenix, USA.
17. Zhao, L., Ding, S., Chai, Y., **Xie, J.**, and Fang, X. (2023). A DTM-DiHyperGCN Joint Approach for Social Media Infodemic Early Prediction. *INFORMS Workshop on Data Science* 2023. Phoenix, USA.
   – Best Student Paper Nominee
18. Kuang, J., **Xie, J.**, Yan, Z., and Zhao, M. (2023). Monitoring Depression Using Sensors: A Multiple Small Sources Transfer Learning Approach for Few-Shot Learning. *Annual Meeting of China Association for Information Systems* 2023. Hangzhou, China.

19. ***Xie, J.**, Zhao, X., Liu, X., and Fang, X. (2023). Care for the Mind Amid Chronic Diseases: An Interpretable AI Approach Using IoT. *China Summer Workshop on Information Management* 2023. Changsha, China.
20. Kuang, J., **Xie, J.**, and Yan, Z. (2023). What Symptoms and How Long? An Interpretable AI Approach for Depression Detection in Social Media. *China Summer Workshop on Information Management* 2023. Changsha, China.
21. Kuang, J., **Xie, J.**, and Yan, Z. (2023). What Symptoms and How Long? An Interpretable AI Approach for Depression Detection in Social Media. *Conference on Health IT and Analytics* 2023. D.C., USA.
22. ***Xie, J.**, Zhao, X., Liu, X., and Fang, X. (2022). Care for the Mind Amid Chronic Diseases: An Interpretable AI Approach Using IoT. *INFORMS Workshop on Data Science* 2022. Indianapolis, USA.
    – Best Complete Paper Nominee
23. Zhang, W., **Xie, J.**, Liu, X., and Zhang, Z. (2022). Depression Detection in Social Media Using Time-and-knowledge-aware LSTM and Depression Diagnosis-related Entity Extraction. *INFORMS Workshop on Data Science* 2022. Indianapolis, USA.
24. Tyagi, S., **Xie. J.**, Andrews, R. (2022). E-VAN: Enhanced Variational AutoEncoder Network for Mitigating Gender Bias in Static Word Embeddings. *International Conference on Natural Language Processing and Information Retrieval* 2022. Bangkok, Thailand.
25. ***Xie, J.**, Chai, Y., and Liu, X. (2022). An Interpretable Deep Learning Approach to Understand Health Misinformation Transmission on YouTube. *Conference on Health IT and Analytics* 2022. D.C., USA.
26. **Xie, J.**, Chai, Y., and Liu, X. (2022). An Interpretable Deep Learning Approach to Understand Health Misinformation Transmission on YouTube. *Hawaii International Conference on System Sciences* 2022. Virtual.
27. ***Xie, J.**, Chai, Y., and Liu, X. (2021). An Interpretable Deep Learning Approach to Understand Health Misinformation Transmission on YouTube. *Workshop on Information Technology and Systems* 2021. Austin, USA.
    – Best Paper Award Winner
28. ***Xie, J.**, Chai, Y., and Liu, X. (2021). An Interpretable Deep Learning Approach to Understand Health Misinformation Transmission on YouTube. *INFORMS Workshop on Data Science* 2021. Virtual.
29. ***Xie, J.**, Zhang, Z., Liu, X., and Zeng, D. (2019). Discovering Barriers to Opioid Addiction Treatment from Social Media: A Similarity Network-Based Deep Learning Approach. *International Conference on Information Systems (ICIS)* 2019. Munich, Germany.
30. ***Xie, J.**, Liu, X., Zeng, D., and Fang, X. (2019). Understanding Medication Nonadherence from Social Media: A Sentiment-Enriched Deep Learning Approach. *Conference on Information Systems and Technology* 2019. Seattle, USA.
31. ***Xie, J.**, Zhang, Z., Liu, X., and Zeng, D. (2019). Discovering Barriers to Opioid Addiction Treatment Using Similarity Network-Based Deep Learning. *China Summer Workshop on Information Management* 2019. Shenzhen, China.
32. ***Xie, J.**, Liu, X., Zeng, D., and Fang, X. (2019). Understanding Medication Nonadherence Using Sentiment-Enriched Deep Learning. *China Summer Workshop on Information Management* 2019. Shenzhen, China.
33. ***Xie, J.**, Zhang, Z., Liu, X., and Zeng, D. (2019). Understanding Opioid Addiction with Similarity Network-Based Deep Learning. *International Conference for Smart Health* 2019. Shenzhen, China.
34. ***Xie, J.**, Liu, X., Zeng, D., and Fang, X. (2019). Extracting Medication Nonadherence Reasons with Sentiment-Enriched Deep Learning. *International Conference for Smart Health* 2019. Shenzhen, China.
    – Best Paper Award Runner-Up
35. ***Xie, J.** and Zhang, B. (2018). Readmission Risk Prediction for Patients with Heterogeneous Hazard: A Trajectory-Aware Deep Learning Approach. *International Conference on Information Systems* 2018. San Francisco, USA.
36. ***Xie, J.**, Zhang, B, and Zeng, D. (2018). Write Like a Pro or Amateur? The Effect of Online Caregiver Forum Writing Professionalism. *Conference on Information Systems and Technology* 2018. Phoenix, USA.
37. ***Xie, J.**, Liu, X., Zeng, D., and Fang, X. (2018). Discovering Medication Nonadherence Reasons with Sentiment-Enriched Deep Learning Approach. *INFORMS Workshop on Data Science* 2018. Phoenix, USA.
38. ***Xie, J.**, Zhang, B., and Zeng, D. (2018). Predicting Hospital Readmission Risk Using Trajectory-Based Deep Learning Approach. *INFORMS Workshop on Data Science* 2018. Phoenix, USA.
39. **Xie, J.**, Zhang, B., and Zeng, D. (2018). Readmission Prediction Using Trajectory-Based Deep Learning Approach. *International Conference for Smart Health* 2018. Wuhan, China.
    – Best Paper Award Runner-Up
40. ***Xie, J.**, Zhang, B., and Zeng, D. (2018). Predicting Hospital Readmission Risk Using Trajectory-Based Deep Learning Approach. *Conference on Health IT and Analytics* 2018. Washington, D.C., USA.
41. ***Xie, J.**, Liu, X., Zeng, D., and Fang, X. (2018). Discovering Medication Nonadherence Reasons with Sentiment-Enriched Deep Learning Approach. *Conference on Health IT and Analytics* 2018. D.C., USA.

42. **Xie, J.**, Zhang, B., and Zeng, D. (2018). Predicting Hospital Readmission with Deep Learning. *China Summer Workshop on Information Management* 2018. Qingdao, China.
43. ***Xie, J**., Liu, X., Zeng, D., and Fang, X. (2017). Understanding Reasons for Medication Nonadherence: An Exploration in Social Media Using Sentiment-Enriched Deep Learning Approach. *International Conference on Information Systems* 2017. Seoul, South Korea.

Invited Talks

2025 Martin Tuchman School of Management, New Jersey Institute of Technology
2024 Lerner Faculty Research Showcase, University of Delaware
Summer Workshop on AI for Business, Shanghai, China
FinTech Lunch & Learn Series, University of Delaware
2023 Lerner Faculty Teaching & Research Showcase, University of Delaware
Kogod School of Business, American University
POMS: Care for the Mind Amid Chronic Diseases: An Interpretable AI Approach Using IoT, Orlando, USA
Leeds School of Business, University of Colorado Boulder
2022 Front Range Machine Learning Alliance (FoRMLA) Seminar Series
NSF Workshop on the Future of Human-AI Frontier, American University
2021 General University Research (GUR) Exchange, Research Office, University of Delaware
Lerner Faculty Teaching & Research Showcase, University of Delaware
2020 Lerner College of Business & Economics, University of Delaware
2019 Katz Graduate School of Business, University of Pittsburgh
McIntire School of Commerce, University of Virginia
Fox School of Business, Temple University
Center for Management Innovations in Healthcare, The University of Arizona
2018 INFORMS: Using Long Short-Term Memory to Predict Hospital Readmission, Phoenix, USA
2017 INFORMS: Understanding Reasons for Medication Nonadherence: An Exploration in Social Media Using Sentiment-Enriched Deep Learning Approach, Houston, USA
2016 INFORMS: Mining E-cigarette Adverse Events in Social Media Using Bi-LSTM Recurrent Neural Network with Word Embedding Representation, Nashville, USA

Teaching Experience

Instructor, University of Delaware
MISY 436/636: Unstructured Data Analytics (MBA, Graduate, Undergraduate; Developed as a new course)
– Spring 2021 (4.47/5), Spring 2022 (4.59/5), Spring 2023 (4.71/5), Spring 2024 (4.66/5)
MISY 432: MIS Capstone Projects (Undergraduate)
– Spring 2021 (4.61/5), Spring 2022 (4.71/5), Spring 2023 (4.76/5), Spring 2024 (4.41/5)
MISY 448/648: Business Intelligence and Analytics (Professional Education for JP Morgan Chase)
– Fall 2022 (4.85/5), Fall 2024 (4.60/5), Fall 2025
MISY 262: Fundamentals of Business Analytics (Undergraduate, SWUFE-UD JEI)
– Fall 2024 (5/5), Fall 2025
Instructor, The University of Arizona
MIS 111: Computers & Internetworked Society (Undergraduate)
– Summer 2018 (4.77/5)
Introduction to Data Science Workshop (Graduate; 4 Lectures; Fall 2018)
Teaching Assistant and Guest Lecturer, The University of Arizona
MIS 611A: Design Science Methodologies (Graduate; Fall 2017, Fall 2016)
MIS 507: Software Design and Integration (Graduate; Fall 2016, Fall 2015)

Media Coverage

1. "University of Delaware community reports new appointments, presentations, publications, honors, partnerships," *UDaily*, Nov 2025.
2. "AI Model Predicts Which Short Videos Could Spark Suicidal Thoughts, Giving Platforms a First-of-its-Kind Early Warning Signal," *INFORMS News Room*, Nov 2025.
3. "New AI model predicts harmful videos before they go viral," *UD Media Expert Spotlight*, Nov 2025.
4. "University of Delaware community reports new presentations, publications and honors," *UDaily*, Mar 2025.

Professional Experience

2014–2015	Research Assistant, Renmin Business School, Renmin University of China
2014	Data Analyst, NetEase Inc. (NASDAQ Ticker: NTES), Beijing, China
2013	Data Analyst, Bank of China, Hunan, China
2013	Voluntary Teacher at a Refugee Camp, Nairobi, Kenya
2012	Voluntary Teacher at a Rural Primary School, Luoyang, China

Academic Services

Journal Editorial Board

Associate Editor, ACM Transactions on Management Information Systems (TMIS), 2025–Present

Conference Organizing Committee and Editorial Role

Co-organizer, Annual Philadelphia Operations and Technology Day Conference (2025, 2024)
Program Committee Member, Summer Workshop on AI for Business (SWAIB 2025)
Program Committee Member, Fintech and Financial Institutions Research Conference 2025
Program Committee Member, INFORMS Workshop on Data Science (WDS 2023, 2021)
Program Committee Member, Workshop on Information Technologies and Systems (WITS 2025, 2024)
Program Committee Member, China Summer Workshop on Information Management (CSWIM 2021)
Associate Editor, International Conference on Information Systems (ICIS 2026, 2025, 2024, 2023)
Associate Editor, Pacific-Asia Conference on Information Systems (PACIS 2024)
Session Chair, INFORMS Annual Meeting (2018, 2017)

Journal Reviewer

Management Science, MIS Quarterly, Information Systems Research, Journal of Management Information Systems, Journal of the Association for Information Systems, INFORMS Journal on Computing, INFORMS Journal on Data Science, Electronic Commerce Research and Applications, Decision Support Systems, Nature Scientific Reports, PLOS One, ACM Transactions on Management Information Systems, Information & Management, IEEE Intelligent Systems, Journal of Business Analytics

Conference Reviewer

International Conference on Information Systems, Conference on Information Systems and Technology, INFORMS Workshop on Data Science, Workshop on Information Technologies and Systems, Hawaii International Conference on System Sciences, America's Conference on Information Systems, European Conference on Information Systems, Pacific-Asia Conference on Information Systems, China Summer Workshop on Information Management, International Joint Conference on Artificial Intelligence, International Conference on Computational Data and Social Networks

University, College, and Department Service

Committee Member, Business Analytics Review (2025)
Committee Member, Department Excellence in Research Award (2025)
Committee Chair, Department Excellence in Research Award (2024)
Committee Member, Permanent Review of the Business Analytics Major (2024)
Coordinator, AMIS Department Research Lunch (2024)
Search Committee Member, Tenure Track Faculty, Lerner College of Business & Economics (2023)
Research Seminar Coordinator, Department of Accounting and MIS (2021–2023)
Search Committee Member, Continuing Track Faculty, Lerner College of Business & Economics (2021)
Search Committee Member, Instructor, Lerner College of Business and Economics (2021)

Faculty Judge, Lerner Business Analytics Case Competition (2021–2022)

Student Supervision

Xiangxiang Guo, FSAN PhD, University of Delaware (Dissertation Committee Chair)
Abhinav Reddy Terupally, MSDS, University of Delaware (Advisor)
Swati Tyagi, FSAN PhD, University of Delaware (Dissertation Committee Member)

Affiliations

Association for Information Systems (AIS)
The Institute for Operations Research and the Management Sciences (INFORMS)
Association for Computing Machinery (ACM)
Production and Operations Management Society (POMS)