

Kun Lu, Ph.D.

Associate Professor & Associate Director of Undergraduate Programs
School of Library and Information Studies
College of Communication and Information Sciences
Email: klu@ua.edu
Personal homepage: <https://kunlu-ou.github.io/>

EDUCATION

Ph.D. in Information Studies	2008-2012
University of Wisconsin-Milwaukee, Milwaukee, USA	
M.S. in Information Science	2006-2008
Wuhan University, Wuhan, China	
B.S. in Information Management and Information System	2002-2006
Wuhan University, Wuhan, China	

PROFESSIONAL APPOINTMENTS

Associate Professor & Associate Director of Undergraduate Programs, School of Library and Information Studies, College of Communication & Information Sciences, University of Alabama, USA Aug 2025 -

Co-Director for Academic Programs, Data Scholarship Program, Dodge Family College of Arts and Sciences, University of Oklahoma 2023 – August 2025

Acting Interim Director, Data Scholarship Program, Dodge Family College of Arts and Sciences, University of Oklahoma 2022 – 2023

Associate Professor, School of Library and Information Studies, Dodge Family College of Arts and Sciences, University of Oklahoma, USA 2019 – August 2025

Assistant Professor, School of Library and Information Studies, Dodge Family College of Arts and Sciences, University of Oklahoma, USA 2013 – 2019

Faculty member at Wuhan University, China 2012 – 2013

RESEARCH INTERESTS

Applied natural language processing
Large language models
Text mining
Science informatics

PUBLICATIONS

Referred Journal Articles (* corresponding author):

- Wang, X., Raj, A., Su, Y., Xu, S., & **Lu, K.*** (2025). Tracking 35 years of progress in metallic materials for extreme environments via text mining. *Scientific Report*, 15, 21219.
- Jang, W., Horm, D., Kwon, K.A., **Lu, K.**, Kasak, R., & Park, J. (2025). Leveraging natural language processing to deepen understanding of parent-child interaction processes and language development. *Family Relations*, 74(3), 1146 – 1173.
- Fani, M., Chadwell, W., Tasnim, N., Wang, X., Araghi, M.Y., **Lu, K.**, Zhou, Z., Gu, T., & Xu, S. (Accepted). Constructing surrogates for atomistic simulations via deep learning and generative large language models. *Journal of Materials Research*.
- Yang, G., Di, L., Chen, L., & **Lu, K.*** (2025). Integrating persistence process into the analysis of technology convergence using STERGM. *Journal of Informetrics*, 19(1), 101632.
- Joo, S., **Lu, K.**, Park, J., Rho, M.J., & Park, Y.H. (2025). Changes in urologic research from a new perspective: Text mining analysis of publication topics. *Investigative and Clinical Urology*, 66(2), 172 – 180.
- Wang, X., Huang, L., Xu, S., & **Lu, K.*** (2024). How does a generative Large Language Model perform on domain-specific information extraction? - A comparison between GPT-4 and a rule-based method on band gap extraction. *Journal of Chemical Information and Modeling*, 64(20), 7895 – 7904.
- Ghosh, S., Abushukair, H.M., Ganesan, A., Pan, C., Naqash, A.R., & **Lu, K.*** (2024). Harness explainable Artificial Intelligence for Patient-to-Clinical-Trial matching: A proof-of-concept pilot study using Phase I Oncology Trials. *PLOS ONE*, 19(10): e0311510.
- Joo, S., Cahill, M., Ingram, E., Hoffman, H., Olson, Am., & **Lu, K.** (2024). The literacy-enhancing potential of singing versus spoken language in public library storytimes: A text analytics approach. *Journal of Early Childhood Literacy*, 24(1), 141-164.
- Ghosh, S., & **Lu, K.*** (2023). Band gap information extraction from materials science literature – a pilot study, *Aslib Journal of Information Management*, 75(3), 438 - 454. <https://doi.org/10.1108/AJIM-03-2022-0141>
- Lu, K.**, Yang, G., & Wang, X. (2022). Topics Emerged in the Biomedical Field and Their Characteristics. *Technological Forecasting and Social Change*, 174, 121218.
- Liang, Z., Mao, J., **Lu, K.**, & Li, G. (2021). Finding citations for PubMed: A large-scale comparison between five freely available bibliographic data sources. *Scientometrics*, 126, 9519 - 9542.

- Wang, S., Mao, J., **Lu, K.**, Cao, Y., & Li, G. (2021). Understanding interdisciplinary knowledge integration through citance analysis: A case study on eHealth. *Journal of Informetrics*, 15(4), 101214.
- Liang, Z., Mao, J., **Lu, K.**, Ba, Z., & Li, G. (2021). Combining deep neural network and bibliometric indicator for emerging research topic prediction. *Information Processing and Management*, 58(5), 102611.
- Xu, S., Hao, L., Yang, G., **Lu, K.**, & An, X. (2021). A Topic Models-based Framework for Detecting and Forecasting Emerging Technologies. *Technological Forecasting and Social Change*, 162, 120366.
- Yi, M., Lu, Y., Deng, W., **Lu, K.**, & Zhang, Z. (2020). Understanding Verified Users' Posting Behavior from the Perspective of Human Dynamics: A Case Study of Sina Micro-blog. *Aslib Journal of Information Management*, 73(2), 221 - 239.
- Joo, S., **Lu, K.**, & Lee, T. (2020). Analysis of Content Topics, User Engagement, and Library Factors in Public Library Social Media based on Text Mining. *Online Information Review*, 44(1), 258 - 277.
- Koh, K., Snead, J., & **Lu, K.** (2019). The Process of Maker Learning and Information Behavior in a Technology-Rich High School Class. *Journal of the Association for Information Science and Technology*, 70(12), 1395 - 1412.
- Zhao, W., Mao, J., & **Lu, K.** * (2018). Ranking Themes on Co-word Networks: Exploring the Relationships among Different Metrics. *Information Processing and Management*, 54(2), 203 - 218.
- Lu, K.**, Mao, J., & Li, G. (2018). Toward Effective Automated Weighted Subject Indexing: A Comparison of Different Approaches in Different Environments. *Journal of the Association for Information Science and Technology*, 69(1), 121 - 133.
- Mao, J., Cao, Y., **Lu, K.**, & Li, G. (2017). Topic Scientific Community in Science: a Combined Perspective of Scientific Collaboration and Topics. *Scientometrics*, 112(2), 851-875.
- Lu, K.**, Joo, S., Lee, T., & Hu, R. (2017). Factors that Influence Query Reformulations and Search Performance in Health Information Retrieval – A Multi-level Modeling Approach. *Journal of the Association for Information Science and Technology*, 68(8), 1886-1898.
- Lu, K.**, Cai, X., Ajiferuke, I., & Wolfram, D. (2017). Vocabulary Size and its Effect on Topic Representation. *Information Processing and Management*, 53(3), 653-665.
- Mao, J., **Lu, K.**, Li, G., & Yi, M. (2016). Profiling Users with Tag Networks in Diffusion-based Personalized Recommendation. *Journal of Information Science*, 42(5), 711-722.
- Mao, J., **Lu, K.** *, Mu, X., & Li, G. (2015). Mining Document, Concept and Term Associations for Effective Biomedical Retrieval - Introducing MeSH-enhanced Retrieval Models. *Information Retrieval Journal*, 18(5), 413-444.

- Lu, K.** & Mao, J. (2015). An Automatic Approach to Weighted Subject Indexing – An Empirical Study in the Biomedical Domain. *Journal of the Association for Information Science and Technology*, 66(9), 1776-1784.
- Lu, K.**, Ajiferuke, I., & Wolfram, D. (2014). Extending Citer Analysis to Journal Impact Evaluation. *Scientometrics*, 100(1), 245-260.
- Lu, K.** & Kipp, M.E.I. (2014). Understanding the Retrieval Effectiveness of Collaborative Tags and Author Keywords in Different Retrieval Environments – An Experimental Study on Medical Collections. *Journal of the Association for Information Science and Technology*, 65(3), 483-500.
- Mu, X., **Lu, K.**, & Ryu, H. (2014). Explicitly Integrating MeSH Thesaurus Help into Health Information Retrieval Systems: An Empirical User Study. *Information Processing and Management*, 50(1), 24-40.
- Lu, K.** & Wolfram, D. (2012). Measuring Author Research Relatedness: A Comparison of Word-based, Topic-based and Author Co-citation Approaches. *Journal of the American Society for Information Science and Technology*, 63(10), 1973-1986.
- Joo, S., Lin, S. & **Lu, K.** (2011). A Usability Evaluation Model for Academic Library Websites: Efficiency, Effectiveness and Learnability. *Journal of Library and Information Studies*, 9(2), 11-26.
- Mu, X., Ryu, H. & **Lu, K.** (2011). Supporting Effective Health and Biomedical Information Retrieval and Navigation: A Novel Facet View Interface Evaluation. *Journal of Biomedical Informatics*, 44(4), 576-586.
- Lu, K.**, Joo, S. & Wolfram, D. (2011). An Investigation of Web Resource Distribution in the Field of Information Science. *Cybermetrics*, 15(1).
- Ajiferuke, I., **Lu, K.** & Wolfram, D. (2011). Who Are the Research Disciples of an Author? Examining Publication Recitation and Oeuvre Citation Exhaustivity. *Journal of Informetrics*, 5(2), 292-302.
- Lu, K.** & Wolfram, D. (2010). Geographic Characteristics of the Growth of Informetrics Literature 1987-2008. *Journal of Informetrics*, 4(1), 591-601.
- Ajiferuke, I., **Lu, K.** & Wolfram, D. (2010). A Comparison of Citer and Citation-Based Measure Outcomes for Multiple Disciplines. *Journal of the American Society for Information Science and Technology*, 61(10), 2086-2096.
- Mu, X., **Lu, K.** & Ryu, H. (2010). Search Strategies on a New Health Information Retrieval System. *Online Information Review*, 34(3), 440-456. **(Emerald Literati Network Highly Commented Paper Award)**

Mu, X. & **Lu, K.** (2010). Towards Effective Genomic Information Retrieval: The Impact of Query Complexity and Expansion Strategies. *Journal of Information Science*. 36(2), 194-208.

Lu, K. (2008). Tacit Knowledge Externalization Based on Web2.0. *Chinese Journal of Information Science*, 2, 247-251.

Cai, Q., **Lu, K.** & Wang, JY. (2008). Research on Evaluation Indices System of the Network Database Service Benefit. *Chinese Journal of Intelligence*, 27(2), 40-42.

Referred Conference Proceedings:

Wang, X., Su, Y., Xu, S., & **Lu, K.** (2025). Effects of Transfer Learning and Fine-tuning in Domain-specific Tasks: A Case Study of Word2vec Models in Materials Science. In *Proceedings of iConference 2025*. Bloomington, Indiana, U.S. (Poster)

Wan, Q., Wan, C., Xiao, K., **Lu, K.**, Li, C., Liu, X., & Liu, D. (2024). Dependency Structure-Enhanced Graph Attention Networks for Event Detection. In *Proceedings of AAAI 2024*. Vancouver, Canada. (Long paper)

Parulian, N., Dubniecek, R., Evans, D., Hu, Y., Layne-Worthey, G., Downie, S., Heaton, R., **Lu, K.**, Orr, R., Magni, I., & Walsh, J. (2023). Tuning out the Noise: Benchmarking Entity Extraction for Digitized Native American Literature. In *Proceedings of ASIST 2023*. London, UK. (Short paper)

Lu, K., Heaton, R., Orr, R., Vetter, A., Dubniecek, R., & Magni, I. (2022). Mining the Native American Authored Works in HathiTrust for Insights. In *Proceedings of DH 2022*. Tokyo, Japan. (Long presentation)

Liang, Z., Liu, F., Mao, J., & **Lu, K.** (2021). A Knowledge Representation Model for Studying Knowledge Creation, Usage, and Evolution. In *Proceedings of iConference 2021*. Beijing, China. (Full paper, **Best Paper Runner-ups**)

Lu, K. (2020). What Kind of Research Topics Emerged in the Biomedical Domain? - A Perspective from Newly Added Subject Terms in a Thesaurus. In *Proceedings of iConference 2020*. Borås, Sweden. (Poster)

Mao, J., Zhang, J., **Lu, K.**, & Li, G. (2019). Understanding the Relevance between Text and Images in Disaster-related Social Media Posts. In *Proceedings of ASIST 2019*. Melbourne, Australia. (Poster)

Mao, J., **Lu, K.**, Zhao, W., & Cao, Y. (2018). How Many Keywords Do Authors Assign to Research Articles – A Multi-disciplinary Analysis. In *Proceedings of iConference 2018*. Sheffield, UK. (Poster)

Joo, S., & **Lu, K.** (2017). Content Analysis of Facebook Posts in Public Libraries based on Textual Analysis. In *Proceedings of ASIST 2017*. Arlington, Virginia, USA. (Poster)

- Valencia, K.R., & **Lu, K.** (2017). Mining Scholarly Articles for Citation Contexts – A Pilot Study in Information Science Domain. In *Proceedings of iConference 2017*. Wuhan, Hubei, China. (Poster)
- Lu, K.**, Mao, J., Li, G., & Xu, J. (2016). Recognizing Reference Spans and Classifying their Discourse Facets. In *BIRNDL@JCDL* (pp.139-145). Newark, New York, USA. (Poster)
- Lu, K.**, Joo, S., Lee, T., & Hu, R. (2016). Analyzing Query Reformulation Data using Multi-level Modeling. In *Proceedings of iConference 2016*. Philadelphia, Pennsylvania, USA. (Poster)
- Lu, K.**, Mao, J., Li, G. (2015). Enhancing Subject Metadata with Automated Weighting: A Comparison of Different Measures. In *Proceedings of International Conference on Asian Digital Libraries 2015 (ICADL'2015)*, Seoul, Korea. **(Best Paper Award)**
- Chiu, W., & **Lu, K.** (2015). Random Walk on Co-word Network: Ranking Terms Using Structural Features. In *Proceedings of the 2015 Annual Meeting of the Association for Information Science and Technology (ASIST'2015)*, St. Louis, Missouri, USA. (Paper)
- Chiu, W., & **Lu, K.** (2015). Paradigmatic Relations and Syntagmatic Relations: How Are They Related? In *Proceedings of the 2015 Annual Meeting of the Association for Information Science and Technology (ASIST'2015)*, St. Louis, Missouri, USA. (Poster)
- Lu, K.**, Zhao, Y., Ajiferuke, I., & Wolfram, D. (2015). How related is author topical similarity to other author relatedness measures. In *Proceedings of the International Society of Scientometrics and Informetrics Conference 2015 (ISSI'2015)*, Istanbul, Turkey. (Paper)
- Mao, J., & **Lu, K.** (2014). Leverage the associations between documents, subject headings and terms to enhance retrieval. In *Proceedings of the 7th International workshop on Exploiting Semantic Annotations in Information Retrieval (ESAIR'14)*, pp. 33-35, Shanghai, China. (Poster)
- Wang, Y., Joo, S., & **Lu, K.** (2014). Exploring topics in the field of data science by analyzing Wikipedia documents: A preliminary result. In *Proceedings of the 2014 Annual Meeting of the Association for Information Science and Technology (ASIST'2014)*, Seattle, USA. (Poster)
- Lu, K.**, & Mao, J. (2013). Automatically infer subject terms and documents associations through text mining. In *Proceedings of the 2013 Annual Meeting of the American Society for Information Science and Technology (ASIST'2013)*, Montreal, Canada. (Poster)
- Hu, R., **Lu, K.**, & Joo, S. (2013). Effects of Topic Familiarity and Search Skills on Query Reformulation Behavior. In *Proceedings of the 2013 Annual Meeting of the American Society for Information Science and Technology (ASIST'2013)*, Montreal, Canada. (Paper)
- Lu, K.**, Lu, W., Cheng, Q., Lei, S., & He, J. (2013). A Visualization Tool for Topic Evolution among Research Fields. In *Proceedings of the International Society of Scientometrics and Informetrics Conference 2013 (ISSI'2013)*. Vienna, Austria. (Poster)

- Lu, K.,** Ajiferuke, I., & Wolfram, D. (2013). Extending Citer-based Analysis to Journal Impact Evaluation. In *Proceedings of the International Society of Scientometrics and Informetrics Conference 2013 (ISSI'2013)*. Vienna, Austria. (Paper)
- Lu, K.** (2013). An Insight into Vector Space Modeling and Language Modeling. In *Proceedings of the iConference 2013*. Fort Worth, Texas, USA. (Poster)
- Joo, S. & **Lu, K.** (2012). Structural Analysis of Author Vector Space in the Field of Information Science. In *Proceedings of 2012 Annual Meeting of the American Society for Information Science and Technology (ASIST'2012)*, Baltimore, Maryland. (Poster)
- Lu, K.** & Wolfram, D. (2011). Assessing Author Research Focus Using Vector Space Modeling. In *Proceedings of 2011 Annual Meeting of the American Society for Information Science and Technology (ASIST'2011)*, New Orleans, Louisiana. (Poster)
- Tirilly, P., **Lu, K.**, & Mu, X. (2011). Predicting Modality from Text Queries for Medical Image Retrieval. In *Proceedings of the 2011 international ACM workshop on Medical Multimedia analysis and retrieval* (pp.7-12). Scottsdale, Arizona, USA. (Paper)
- Tirilly, P., **Lu, K.**, Mu, X., & Zhao, T. (2011). On Modality Classification and Its Use in Text-based Image Retrieval in Medical Databases. In *Proceedings of the 9th International Workshop on Content-based Multimedia Indexing (CBMI)*, Madrid, Spain. (Paper)
- Lu, K.** & Kipp, M.E.I. (2010). An Experimental Study on the Retrieval Effectiveness of Collaborative Tags. In *Proceedings of 2010 Annual Meeting of the American Society for Information Science and Technology (ASIST'2010)*, Pittsburgh, Pennsylvania. (Poster)
- Lu, K.** & Wolfram, D. (2010). Delineating Citation Concepts. In *Proceedings of 2010 Annual Meeting of the American Society for Information Science and Technology (ASIST'2010)*, Pittsburgh, Pennsylvania. (Poster)
- Lu, K.** & Mu, X. (2009). Query Expansion Using UMLS Tools for Health Information Retrieval. In *Proceedings of the 2009 Annual Meeting of the American Society for Information Science and Technology (ASIST'2009)*, Vancouver, British Columbia. (Paper)
- Ajiferuke, I., Wolfram, D. & **Lu, K.** (2009). A Comparison of Citer and Citation-based Measure Outcomes in the Social Sciences. In *Proceedings of 2009 Annual Meeting of the American Society for Information Science and Technology (ASIST'2009)*, Vancouver, British Columbia.. (Poster)

FUNDED PROJECTS

1. *A Comprehensive Community Needs Assessment for Advancing Text Analytics Data Services in Academic Libraries*, funded by Institute of Museums and Library Services (IMLS), PI, \$149,938 (2025 – 2027)
2. *Extending and Promoting Real-World Data Science Applications Among the Oklahoma Clinical and Translational Sciences Communities*, funded by National Institute of Health (NIH), co-I (OU-Norman PI), \$717,666 (2024 –

- 2026)
3. *Exploring Large Language Models for the Inverse Design of Materials*, funded by OU DISC seed fund, co-PI, \$10,000 (2024 – 2025)
 4. *A Pilot Study on Organizational Factors of STEM Faculty Positive Identity Construction Using Text Analytics*, funded by OU DFCAS Data Scholarship Initiative Grant, co-PI, \$12,129 (2024 – 2025)
 5. *Mining Big Data to Understand Innovation and Growth in the Long-Term*, funded by OU DISC seed fund, co-PI, \$9,857 (2024 – 2025)
 6. *Leveraging Big Data to Improve Quality in Infants' and Toddlers' Language Learning Environments*, funded by OU ICAST/DISC seed funding competition, co-PI, \$30,000 (2023 – 2024)
 7. *A Proof-of-Concept Study Aimed at Leveraging Cognitive Computing to Optimize Patient Selection, Speed of Accrual and On-Treatment Data Capture for Phase I Oncology Clinical Trials at the Stephenson Cancer Center*, funded by OU DISC/SCC seed funding competition, co-PI, \$30,000 (2022 – 2023)
 8. *Mining the Native American Authored Works in HathiTrust for Insights*, funded through the Scholar-Curated Worksets for Analysis, Reuse & Dissemination (SCWAReD) project by Andrew W. Mellon Foundation, PI, \$30,000 (2021 – 2022)
 9. *Extracting Band Gap Information from Materials Science Literature to Assist Photovoltaic Materials Design and Discovery*, funded by OU CAS Data Scholarship Initiative Grant, PI, \$11,298 (June 2022)
 10. *Mining Materials Science Literature for Accelerated Photovoltaic Materials Design and Discovery*, funded by OU CAS Data Scholarship Initiative Grant, PI, \$11,822 (July 2021)
 11. *Accelerated Optoelectronic Materials Design and Discovery Guided by Machine Learning and Advanced Computation*, funded by OU Data Institute for Societal Challenges Seed Grant, Co-PI, \$3,000 (Jan – Sep 2021)
 12. *Mining Scientific Literature for Bacterial Living Environment Information*, funded by OU CAS Data Scholarship Initiative Grant, PI, \$8,000 (July 2019)
 13. *Research on Intelligence Consulting Services Based on the Semantic Analysis of Text and Web*, funded by National Natural Science Foundation of China, Co-PI, ~\$80,000 (2017 – 2020)
 14. *Mining Scholarly Articles for Citation Context*, funded by DFCAS Junior Faculty Summer Fellowship Program, PI, \$7,000 (June – July, 2015)

RESEARCH PRESENTATIONS

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- Lu, K.**, Alabama Higher Education AI Exchange 2025, “Natural Language Processing and Text Mining for Health,” Bryant Conference Center, Tuscaloosa, Alabama (October 22, 2025). Panel. Conference.
- Lu, K.**, (Collaborators: Xu, S., Wang, X., Wen, H.), “Harness LLMs for Information Extraction and Material Design,” Artificial Intelligence in Materials and Manufacturing (AIM 2025) conference, Anaheim, California, (June 19, 2025). Oral Presentation. Conference.
- Lu, K.**, Computational Materials Science, “Text Mining for Materials Science,” OU Aerospace and Mechanical Engineering Department, Felgar Hall 334, (March 14, 2024). Oral Presentation. Class Visit.
- Lu, K.**, OU Industrial and Systems Engineering Graduate Seminar Series, “Text Mining Applications in Different Domains,” OU Industrial and System Engineering

- Department, Devon Energy Hall 120, (February 2, 2024). Oral Presentation. Seminar.
- Lu, K.**, 2023 ADSA Annual Meeting, “Explainable AI for Patient and Phase I Oncology Trial Matching based on Natural Language Processing,” Academic Data Science Alliance, San Antonio, Texas. (October 26, 2023). Oral Presentation. Conference.
- Lu, K.**, Colloquium on Text & Data Mining in Libraries 2023, “Exploring Native American Texts using Text Mining Methods,” University of Toronto, Ontario, Canada. (May 3, 2023). Oral Presentation, Workshop.
- Lu, K.**, Data Scholarship Program Research Symposium, “Data Methods – Text Mining Use Cases,” Data Scholarship Program, Ellison Hall Room 132. (April 17, 2023). Oral Presentation, Seminar.
- Lu, K.**, Heaton, R., Goins, K. Research Colloquium of Native Nations Center at OU, “Applying Digital Humanities to Native American Texts,” Native Nations Center at OU, Copeland Hall 233. (November 18, 2022). Oral Presentation, Seminar.
- Lu, K.**, Heaton, R., Orr, R. Digital Humanities 2022, “Mining the Native American Authored Works in HathiTrust for Insights,” Alliance of Digital Humanities Organizations, Change to Online. (July 26, 2022). Oral Presentation, Conference.
- Lu, K.**, iConference 2021, “A Knowledge Representation Model for Studying Knowledge Creation, Usage and Evolution,” (March 21, 2021). Oral Presentation, Conference.
- Lu, K.**, OU SLIS Colloquium 2020, “What Kind of Research Topics Emerged in the Biomedical Domain? - A Perspective from Newly Added Subject Terms in a Thesaurus,” (November 20, 2020). Oral Presentation, Seminar.

PEER REVIEW EXPERIENCE

Aslib Journal of Information Management

The Electronic Library

Frontiers Research Metrics & Analytics

IMLS grant reviewer

NSF grant reviewer

International Journal of Human-Computer Interaction

iConference reviewer

ASIST reviewer

Information Processing and Management

Journal of the Association for Information Science and Technology

Journal of Informetrics

Journal of Information Science

Journal of Information Science Theory and Practice

Journal of Data and Information Management

Technological Forecasting and Social Change

TEACHING EXPERIENCE

Metadata Fundamentals at University of Alabama (2025 -)
Doctoral Research Methods at University of Oklahoma (2021)
Database Design at University of Oklahoma (2021 – present)
Information Retrieval and Text Mining at University of Oklahoma (2019 - 2025)
Fundamentals of IT at University of Oklahoma (2013 - 2025)
Dynamic Web Development at University of Oklahoma (2015 - 2025)
Information Studies Capstone at University of Oklahoma (2015 - 2025)
Information Technology Management at University of Oklahoma (2014 – 2015)
Data Mining (Co-teach in English) at Wuhan University (2013 Spring)
Information Resource Management at Wuhan University (2013 Spring)
Web Application Development at University of Wisconsin-Milwaukee (2012 Spring)
Database Information Retrieval Systems at University of Wisconsin-Milwaukee (2011 Fall)

PHD COMMITTEES

- 1) Xin Wang (committee chair, OU SLIS PhD, in progress)
- 2) Harun Karahan (committee member, OU SLIS PhD, in progress)
- 3) Anshu Raj (committee member, OU Aerospace and Mechanical Engineering, in progress)
- 4) Young A Lee (committee member, OU SLIS PhD, graduated 2024)
- 5) Yaqi Li (committee member, OU Psychology, graduated 2023)
- 6) Satanu Ghosh (committee chair, OU SLIS PhD, transferred 2022)
- 7) Yan Liang (committee member, OU Computer Science, graduated 2022)
- 8) Xin Cai (committee member, University of Wisconsin-Milwaukee, graduated 2022)
- 9) Sukjin You (committee member, University of Wisconsin-Milwaukee, graduated 2020)

SERVICE EXPERIENCE

Service to the Academic Community

- iSchools Working Group on Environmental Analysis (2025 – present)
- ASIST 2024 Doctoral Colloquium Mentor (2024)
- Editorial Board member of Metrics (2024 - present)
- ISKO 2024 Program Committee (2024)
- CIKM Program Committee (2023 - present)
- NSF Reviewer (2023 - present)
- Scilit Advisory Board (2021 - present)
- IMLS Field Reviewer (2021 - present)
- Editorial Board member of Aslib Journal of Information Management (2021 - present)

- JCDL 2018 Program Committee
- ICADL 2015 - 2016 Program Committee
- ASIST 2015 - 2017 SIG/MET Program Committee
- ASCW'15 (Quantifying and Analyzing Scholarly Communication on the Web) Program Committee
- ASIST SIG/MET Membership Chair (2015 - 2017)

University of Alabama

- Associate Director of Undergraduate Programs (2025 – present)
- SLIS Undergraduate Committee Chair (2025 - present)
- SLIS Faculty Committee – Probationary Reviews Member (2025 - present)
- SLIS Faculty Committee – Full Committee/TP/4th Year Reviews Member (2025 - present)
- CIS Undergraduate Council Member (2025 - present)
- CIS Doctoral Committee Member (2025 - present)
- UA Core Curriculum Oversight Committee (2025 - present)
- UA AI Exchange Conference Planning Committee (2025)

University of Oklahoma

- Co-Director Data Scholarship Program (2023 - 2025)
- Acting Interim Director Data Scholarship Program (2022 – 2023)
- SLIS Research Culture Committee Chair (2024 - 2025)
- SLIS Search Committee Chair: Knowledge Organization position (2023 – 2024)
- SLIS Director Search Committee Member (2022 – 2023)
- SLIS Accreditation Committee Member (2022 – 2023)
- SLIS Undergraduate Studies Committee Chair (2015 – 2018, 2020 – 2022)
- SLIS Undergraduate Studies Committee Member (2013 – 2015, 2018 – 2020, 2023 – present)
- SLIS Doctoral Program Committee Chair (2022 – 2024)
- SLIS Doctoral Program Committee Member (2019 – 2021, 2024 – 2025)
- SLIS Committee A Member (2019 – 2021, 2023 – 2024)
- SLIS Technology Advisory Board Chair (2022 – 2023)
- SLIS Strategic Planning Committee Chair (2021 – 2022)
- SLIS Search Committee Chair: Data Science position (2019 – 2020)
- SLIS Search Committee Member: Data Science position (2018 - 2019)
- SLIS Advisory Board Committee Member (2018 – 2019)
- SLIS Admission and Scholarship Committee Member (2018 – 2019)
- SLIS Curriculum Committee Member (2016 - 2017)
- SLIS Communication Committee Member (2015 - 2016)
- SLIS Assessment Committee Member (2016 – 2018)
- IST Hub Faculty Advisor (2021 - 2023)
- OU DFCAS IT Committee (2017 - 2019)
- OU DFCAS Data Scholarship Committee (2016 – 2017)
- OU DFCAS Support of Teaching and Research Committee (2022 – 2023)
- OU DFCAS Faculty Honorifics Committee (2024 – 2025)
- OU Center for Faculty Excellence Search Committee Member (2024)
- OU Faculty Compensation and Benefits Committee Member (2022 – 2025)
- OU Faculty Senate (2023 – 2024)
- OU Health Insurance RFP Committee (2024)

- OU Faculty Appeals Board (2024 – 2025)
- OU Research Council (2024 – 2025)

University of Wisconsin-Milwaukee

- Student representative in Faculty Search & Screen Committee (2011)
- Ph.D. representative in SOIS Research Committee (2009 - 2010)
- Student representative in Doctoral Committee (2008 - 2009)

TECHNICAL SKILLS

Programming skills

- Familiar with Large Language Models, Gen AI tools.
- Proficient in Python, Java, Java based database application (MySQL & MS Access database), Javascript, JSP, ASP, PHP Web application
- Experienced in C/C++

Statistical analysis

Familiar with statistical packages including SPSS, SAS and R

Operating systems

Proficient with Windows and Linux