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WORK EXPERIENCE

- Professor, Department of Computer Information Systems, Bentley University
- Director, MS in Digital Innovation Program, Bentley University Ju
- Associate Professor, Department of Computer Information Systems, Bentley University Ju
- Assistant Professor, Department of Computer Information Systems, Bentley University Augu
- Research Associate, Artificial Intelligence Lab, Department of Management Information Systems, The University of Arizona Augu
- Management Assistant, Mitsui & Co., (China) Ltd. Beijing, China July

EDUCATION

- Ph.D. in Management (Major: Management Information Systems), University of Arizona
- M.S. in Computer Science, University of Mississippi
- B.S. in International Business, Beijing Institute of Technology

JOURNAL ARTICLES

1. M. Chau & J. Xu (2025). "An IS Research Agenda on Large Language Models: Development, Applications, and Impacts on Business and Management," *ACM Transactions on Management Information Systems*, 16(1), pp. 1-11.
2. T. Babaian & J. Xu (2024), "Entity Recognition from Colloquial Text," *Decision Support Systems*, No. 114172.
3. J. Xu & M. Garfield (2024), "Analytics for an Audience of Healthcare Professionals: Challenges and Student Perceptions," *Information Systems Education Journal*, 22(2), pp. 82-96.

8. J. Xu & T. Babaian (2021), "Artificial Intelligence in Business Curriculum: The Pedagogical Outcomes," *International Journal of Management Education*, 19(3), Article No. 100550.
9. J. Xu & M. Frydenberg (2021), "Python Programming in an IS Curriculum: Perceived Pedagogical Outcomes," *Information Systems Education Journal*, 19(4), pp. 37-54. A preliminary version appears in the *Proceedings of the 2020 EDSIG Conference*, November 4-7, 2020. **Distinctive Award.**
10. M. Chau, M.H. Li, P.W.C. Wong, J. Xu, P.S.F. Yip, & H. Chen (2020), "Finding People in Distress in Online Social Media: A Design Combining Machine Learning and Rule-Based Systems," *MIS Quarterly*, 44(2), pp. 933-955.
11. K. Wu, M. Liu, & J. Xu (2019), "How Will Blockchain Technology Impact Auditing and Accounting? Permissionless Vs. Permissioned Blockchain," *Current Issues in Auditing*, 13(2), pp. A1-A10.
12. J. Xu, J. Fedorowicz, & C.B. Williams (2019), "Effects of Symbol Sets and Needs Gratification on Audience Engagement: Contextualizing Police Social Media Communication," *Journal of Management Information Systems*, 20(5), pp. 536-569.
13. M. Frydenberg & J. Xu (2019), "Easy as Py: A First Course in Python with a Taste of Data Science," *Information Systems Education Journal*, 17(4), pp. 4-15.
14. C.B. Williams, J. Fedorowicz, A. Kavanaugh, K. Mentzer, J.B. Thatcher, & J. Xu (2018), "Social Media: The community Policing Case," *Government Information Quarterly*, 35 (3), pp. 375-385.
15. J. Xu & M. Chau (2018), "Cheap Talk? The Impact of Lender-Borrower Communication on Loan Outcomes," *Journal of Management Information Systems*, 35(1), pp. 53-85.
16. T. Babaian, J. Xu, & W. Lucas (2018), "ERP Prototype with Built-in Task and Process Management," *Journal of Information Systems*, 27(2), pp. 189-206.
17. J. Xu & H. Topi (2017), "A Conceptual Model for User-System Collaboration: Enhancing the Use of Complex Information Systems," *Communications of the AIS*, 41, Article 31.
18. K. Liu, J. Yu, J. Zhao, Y. Zhou, N. Xiong, J. Xu, T. Wang, R. L. Bell, H. Qing, & Z. Li (2017), "AZI23'UTR Is a New SLC6A3 Downregulator Associated with an Epistatic Protection of Autism Spectrum Use Disorders," *Molecular Neurobiology*, October 2017, pp. 1-12.
19. J. Xu (2016), "Are Blockchains Immune to All Malicious Attacks?" *Financial Innovation*, 1(1), pp. 1-12.
20. J. Xu, M. Chau, & B. Tan (2014), "The Development of Social Capital in the Collaborative Research of IS Scholars," *Journal of the Association for Information Systems*, 15(2), pp. 835-859.
21. M. Chau & J. Xu (2012), "Business Intelligence in Blogs: Understanding Consumer Interactions in Online Communities," *MIS Quarterly*, 36(4), pp.1189-1216.
22. S. Kaza, J. Xu, B. Marshall, & H. Chen (2009), "Topological Analysis of Criminal Activity: Enhancing Transportation Security," *IEEE Transactions on Intelligent Transportation Systems*, 10(1), pp. 83-91.
23. J. Xu, D. Hu, & H. Chen (2009), "Dynamics of Terrorist Networks: Understanding the Evolutionary Mechanisms of Global Salafi Jihad," *Journal of Homeland Security and Emergency Management*, Article 27.

27. G. Leroy, J. Xu, W. Chung, S. Eggers, & H. Chen (2007), "An End User Evaluation of F and Result Review Tool in Three Medical Meta-search Engines," *International Journal of Informatics*, 76(11-12), pp. 780-789.
28. M. Chau & J. Xu (2007), "Mining Communities and Their Relationships in Blogs: A Study of Groups," *International Journal of Human-Computer Studies*, 65(1), pp. 57-70.
29. J. Schroeder, J. Xu, H. Chen, & M. Chau (2007), "Automated Criminal Link Analysis Based on Knowledge," *Journal of the American Society for Information Science and Technology*,
30. H. Chen & J. Xu (2006), "Intelligence and Security Informatics," *Annual Review of Information and Technology*, 40, pp. 229-289.
31. Z. Huang, H. Chen, F. Guo, J. Xu, S. Wu, & W-H. Chen (2006), "Expertise Visualization Implementation and Study Based on Cognitive Fit Theory," *Decision Support Systems*, 41, 1557.
32. G. Wang, H. Chen, J. Xu, & H. Atabakhsh (2006), "Automatically Detecting Criminal Links: An Adaptive Detection Algorithm," *IEEE Transactions on Systems, Man and Cybernetics*, 36(9), 999.
33. J. Xu & H. Chen (2005), "CrimeNet Explorer: A Framework for Criminal Network Knowledge Discovery," *ACM Transactions on Information Systems*, 23(2), pp. 201-226.
34. J. Xu & H. Chen (2005), "Criminal Network Analysis and Visualization: A Data Mining Approach," *Communications of the ACM*, 48(6), pp. 101-107.
35. J. Xu & H. Chen (2004), "Fighting Organized Crimes: Using Shortest-Path Algorithms to Discover Associations in Criminal Networks," *Decision Support Systems*, 38(3), pp.473-487.
36. H. Chen, W. Chung, J. Xu, G. Wang, M. Chau, & Y. Qin (2004), "Crime Data Mining: A Framework and Some Examples," *IEEE Computer*, 37(4), pp.50-56.

CONFERENCE PAPERS

1. J. Xu & T. Babaian (2025), "Algorithmic Bias from the Perspectives of Healthcare Professionals," *Proceedings of the 18th International Conference on Health Informatics*, Porto, Portugal, 2025.
2. E. Adeborna, L. Motiwalla, J. Xu, & P. Liu (2024), "Not Fair? A Temporal Analysis of Collaborative Filtering Recommender System Using Amazon Product Data," presented at *Information Technologies and Systems (WITS)*, Bangkok, Thailand, December 18-21, 2024.
3. J. Xu, X. Liu, S. Joshi, and M. Sun (2024), "Do You Get It? Exploring LLMs' Potential in Discourse Understanding," in *Proceedings of the Workshop on e-Business (WeB24)*, Baltimore, MD, December 14, 2024.
4. M. Frydenberg, A. Xu, & J. Xu (2024), "Student Perceptions of Learning through Original Code Generated Python Programs from a Software Quality Perspective," (Abstract) in *Proceedings of the 18th International Conference on Health Informatics*, Baltimore, MD, November 6-9, 2024.

8. T. Babaian & J. Xu (2023), "NLP in Healthcare: Developing Interactive Integrated Collaborative Virtual Assistants," in *Proceedings of the 25th International Conference on Human-Computer Interaction (CHI)*, Copenhagen, Denmark, July 23-28, 2023.
9. J. Xu, J. Tang, & M. Liu (2023), "The Market for AI Generated NFTs: An Exploratory Study," in *Proceedings of the 16th China Summer Workshop on Information Management (CSWIM)*, China, June 24-25, 2023.
10. J. Xu & T. Babaian (2022), "Investigating Generalizability of BERT Models for Symptom Recognition," in *Proceedings of the 32nd Workshop on Information Technologies and Systems (WITS)*, Copenhagen, Denmark, December 14-16, 2022.
11. J. Xu & T. Babaian (2022), "Investigating Symptom Recognition in Colloquial Patient Narratives," in *Proceedings of the 16th International Conference on Design Science Research in Informatics (DESRIST)*, St. Petersburg, FL, June 2022.
12. J. Xu, H. Hao, P. Sun, & A. Zhang (2021), "Named Entity Recognition in Medical Error Narratives using BERT," in *Proceedings of the 3rd New England Chapter of the Association for Informatics Conference (NEAIS)*, Boston, MA, October 30, 2021.
13. J. Xing, J. Lin, M. Liu, & J. Xu (2020), "Examining Emerging Technology Awareness in Healthcare and Finance Industries through Twitter Data," in *Proceedings of the 22nd International Conference on Human-Computer Interaction (HCII)*, Copenhagen, Denmark, July 19-24.
14. D. Ke, X. Bai, & J. Xu (2019), "How Blockchain Features Affect Online Self-disclosure: A Study of User Behavior on Blockchain-based Social Networks," in *Proceedings of the 2nd Business Processes and Services (2019 SIGBPS)*, Munich, Germany, December 15.
15. D. Chen & J. Xu (2019), "Does Appearance Matter? Exploring the Role of Facial Features on Borrowers' Credibility in Online P2P Lending Markets," in *Proceedings of the 17th IEEE Conference on Intelligence and Security Informatics*, Shenzhen, China, July 1-3.
16. S. Qiu, J. Xu, & M. Liu (2018), "Diffusion of Innovation in Accounting: How have the Firms Adopting Blockchain Technology?" in *Proceedings of the 2018 Workshop on Business Processes and Services (2018 SIGBPS)*, San Francisco, December 13. **Best Paper Award.**
17. J. Xu, J. Fedorowicz, & C. Williams (2017), "Routine and Emergency Communications in a Crisis: Community Responses," in *Proceedings of the 23rd Americas Conference on Informatics (AMCIS)*, Boston, MA, August 10-12.
18. M. Li, A. Chircu, G. Li, L. Xia, & J. Xu (2017), "Patient Satisfaction and Hospital Structure: Are They Related?" in *Proceedings of the International Conference for Smart Health (ICSH)*, China, June 26-27.
19. L. Ye, J. Xu, & L. Zhao (2017), "Blockchain: Topic Coverage and Evolution," in *Proceedings of the 16th China Summer Workshop on Information Management*, Nanjing, China, June 23-25.
20. J. Xu, D. Chen, & M. Chau (2016), "Identifying Features for Detecting Fraudulent Loan Applications on Peer-to-Peer Lending Platforms," in *Proceedings of the IEEE International Conference on Intelligence and Security Informatics*, Tucson, AZ, September 27-30. **Best Paper Runner-up.**
21. J. Xu, J. Fedorowicz, & C. Williams (2016), "It's What You Write and How You Write: Analyzing Patient Narratives for Symptom Recognition," in *Proceedings of the 2016 Workshop on Business Processes and Services (2016 SIGBPS)*, San Francisco, December 13. **Best Paper Award.**

24. X. Chen, Y. Zhang, J. Xu, C. Xing, & H. Chen (2015), "Health-related Spammer Detection on Social Media," in *Proceedings of the International Conference for Smart Health (ICSH)*, November 17-18.
25. Yan Zhang, Yong Zhang, J. Xu, C. Xing, & H. Chen (2015), "Sentiment Analysis on Chinese Forums: A Preliminary Study of Different Language Models," in *Proceedings of the International Conference for Smart Health (ICSH)*, Phoenix, AZ, November 17-18.
26. Yan Zhang, Yong Zhang, Y. Yin, J. Xu, C. Xing, & H. Chen (2015), "Chronic Disease Entity Extraction in Online Chinese Question and Answer Services," in *Proceedings of the International Conference for Smart Health (ICSH)*, Phoenix, AZ, November 17-18.
27. J. Xu, Y. Lu, & M. Chau (2015), "P2P Lending Fraud Detection: A Big Data Approach," in *the Pacific Asia Workshop on Intelligence and Security Informatics*, Ho Chi Minh City, pp. 71-81.
28. T. Babaian, J. Xu, & W. Lucas (2014), "Applying Design Principles for Enhancing Enterprise System Usability," in *Proceedings of the 9th International Conference on Software Engineering (ICSOFT'14)*, Vienna, Austria, August 29-31.
29. T. Babaian, J. Xu, W. Lucas (2014), "Task and Process Support in ERP Systems," in *Proceedings of the 9th International Conference on Design Science Research in Information Systems and Technology (DESRIST 2014)*, pp. 443-447. Springer: Lecture Notes in Computer Science.
30. W. Lucas, J. Xu, & T. Babaian (2013), "Visualizing ERP Usage Logs in Real Time," in *15th International Conference on Enterprise Information Systems (ICEIS'13)*, Angers, France.
31. H. Topi & J. Xu (2012), "Developing an Instrument to Measure Enterprise System User-System Collaboration," in *Proceedings of the 16th Pacific Asia Conference on Information Systems (PACIS'12)*, Hochiminh City, Vietnam, July 11-15.
32. Y. Zhang, J. Xu, & Q. Zhu (2010), "Effectiveness of Electronic Word-of-Mouth: The Impact of Message Type, Tie Strength, and Message Delivery Method," in *Proceedings of the 9th Workshop on Electronic Word-of-Mouth (We-B'10)*, St. Louis, MO, December 11.
33. W. Lucas, T. Babaian, J. Coopridge, H. Topi, & J. Xu (2010), "Applying Human-Computer Interaction Principles for Improving ERP Usability: Extended Abstract," in *Proceedings of the 2010 International Conference on Collaborative Technologies and Systems (CTS'10)*, pp. 396-397, Lombard, IL.
34. T. Babaian, W. Lucas, J. Xu, & H. Topi (2010), "Usability through System-User Collaboration: Design Principles for Greater ERP Usability," in *Proceedings of the 5th International Conference on Design Science Research in Information Systems and Technology (DESRIST'10)*, St. Gallen, Switzerland.
35. J. Coopridge, H. Topi, J. Xu, M. Dias, T. Babaian, & W. Lucas (2010), "A Collaborative Approach to User-System Interaction," in *Proceedings of the 43rd Hawaii International Conference on System Sciences (HICSS 43)*, Kauai, HI, January 5-8.
36. J. Xu (2009), "Identifying Cohesive Local Community Structure in Networks," in *Proceedings of the 32nd International Conference on Information Systems (ICIS'09)*, Phoenix, AZ, December 15-18.
37. J. Cao, T. Knotts, J. Xu, & M. Chau (2009), "Word of Mouth Marketing through Online Social Networks," in *Proceedings of the 15th Americas Conference on Information Systems (AMCIS'09)*, San Francisco, CA, October 1-4.

41. M. Chau & J. Xu (2006), "A Framework for Locating and Analyzing Hate Groups in BLN," in *Proceedings of the 10th Pacific Asia Conference on Information Systems (PACIS '06)*, Maui, HI, May 2006, **Best Paper Award**.
42. J. Xu, H. Chen, Y. Zhou, & J. Qin (2006), "On the Topology of the Dark Web of Terrorist Networks," in *Proceedings of the IEEE International Conference on Intelligence and Security Informatics (ISCI'06)*, San Diego, CA, May 23-24.
43. A. G. Wang, J. Xu, & H. Chen (2006), "Using Social Contextual Information to Match Criminal Identities," in *Proceedings of the 39th Hawaii International Conference on Systems Science (HICSS-39)*, Kauai, HI, January 4-7.
44. S. Weisband, S. M. B. Thatcher, & J. Xu (2005), "Using Bibliometric Analysis to Evaluate Progress in Virtual Teams Research," in *Proceedings of the 65th Annual Meeting of the Hawaii International Conference on System Science (HICSS-65)*, Honolulu, HI, August 5-10.
45. J. Qin, J. Xu, D. Hu, M. Sageman, & H. Chen (2005), "Analyzing Terrorist Networks: A Case Study of the Global Salafi Jihad Network," in *Proceedings of the IEEE International Conference on Intelligence and Security Informatics (ISI'05)*, Atlanta, GA, May 19-20.
46. S. Kaza, B. Marshall, J. Xu, A. Wang, H. Gowda, H. Atabakhsh, T. Petersen, C. Violette (2005), "BorderSafe: Cross-Jurisdictional Information Sharing, Analysis, and Visualization," in *Proceedings of the National Conference on Digital Government Research (dg.o '05)*, Atlanta, GA, May.
47. S. Kaza, J. Xu, & H. Chen (2005), "Topological Analysis of Criminal Activity Networks Across Jurisdictions," in *Proceedings of the National Conference on Digital Government Research (dg.o '05)*, Atlanta, GA, May.
48. J. Xu (2004), "Criminal Relation Exploration Tool for Law Enforcement Knowledge Management," in *Proceedings of Americas Conference on Information Systems (AMCIS'04)*, New York, NY, October 1-5.
49. J. Xu, B. Marshall, S. Kaza, & H. Chen (2004), "Analyzing and Visualizing Criminal Networks: A Case Study," in *Proceedings of the 2nd NSF/NIJ Symposium on Intelligence and Security Informatics (ISI'04)*, Tucson, AZ, June 10-11.
50. E. Reid, J. Qin, W. Chung, J. Xu, Y. Zhou, R. Schumaker, M. Sageman, & H. Chen (2004), "Knowledge Discovery Project: A Knowledge Discovery Approach to Addressing the Threat of Terrorist Networks," in *Proceedings of the 2nd NSF/NIJ Symposium on Intelligence and Security Informatics (ISI'04)*, Tucson, AZ, June 10-11.
51. B. Marshall, S. Kaza, J. Xu, H. Atabakhsh, T. Petersen, C. Violette, & H. Chen (2004), "Analyzing Cross-Jurisdictional Criminal Activity Networks to Support Border and Transportation Security," in *Proceedings of the 7th International IEEE Conference on Intelligent Transportation Systems*, Washington, DC, October 1-5.
52. Z. Huang, H. Chen, F. Guo, J. Xu, S. Wu, & W-H. Chen (2004), "Visualizing the Experience of Criminal Networks," in *Proceedings of the 37th Hawaii International Conference on System Science (HICSS 37)*, Maui, Hawaii, January 5-8.
53. J. Xu & H. Chen (2003), "Untangling Criminal Networks: A Case Study," in *Proceedings of the 2nd NSF/NIJ Symposium on Intelligence and Security Informatics (ISI'03)*, Tucson, AZ, June 10-11.
54. J. Schroeder, J. Xu, & H. Chen (2003), "CrimeLink Explorer: Using Domain Knowledge to Analyze Criminal Networks," in *Proceedings of the 36th Hawaii International Conference on System Science (HICSS 36)*, Maui, Hawaii, January 5-8.

57. J. Xu & H. Chen (2002), "Using Shortest Path Algorithms to Identify Criminal Associations," *Proceedings of the 2nd National Conference for Digital Government Research (dg.o'02)*, May 19-22.
58. M. Chau, J. Xu, & H. Chen (2002), "Extracting Meaningful Entities from Police Narratives," *Proceedings of the 2nd National Conference for Digital Government Research (dg.o'02)*, May 19-22.
59. H. Atabakhsh, J. Schroeder, H. Chen, M. Chau, J. Xu, J. Zhang, & H. Bi (2001), "COPI: A Collaborative Case Management for Law Enforcement: Text Analysis, Visualization and Collaboration," in *National Conference for Digital Government Research (dg.o'01)*, Los Angeles, CA, May 19-22.

BOOKS & BOOK CHAPTERS

1. K.R. Lang, J. Xu, B. Zhu, X. Liu, M.J. Shaw, H. Zhang, & M. Fan (Eds.) (2020), *Lecture Notes in Information Processing: Smart Business: Technology and Data Enabled Innovative Business Practices*, Vol. 403, Springer.
2. J. Xu, B. Zhu, X. Liu, M.J. Shaw, H. Zhang, & M. Fan (Eds.) (2019), *Lecture Notes in Information Processing: The Ecosystem of e-Business: Technologies, Stakeholders, and Applications*, Vol. 357, Springer.
3. J. Xu (2014), "Knowledge Discovery and Data Mining," in H. Topi and A. Tucker (Eds.), *Handbook of Information Systems and Information Technology*, Vol. 2, Taylor and Francis, Boca Raton.
4. T. Li, J. Xu, & M. Chau (2014), "Competition within and between Communities within Social Networks," in R. Alhajj and J. Rokne (Eds.), *Encyclopedia of Social Network Analysis and Mining*, Springer, New York, pp. 238-241.
5. N. Memon, J. Xu, D. Hicks, & H. Chen, (Eds.) (2010), *Data Mining for Social Network Analysis: Information Systems*, Volume 12), Springer.
6. N. Memon, J. Xu, D.L. Hicks, & H. Chen (2010), "Social Network Data Mining: Research Techniques, and Applications," in N. Memon, J. Xu, D.L. Hicks, & H. Chen (Eds.), *Data Mining for Social Network Data*, Springer, New York, pp. 1-7.
7. D. Yates & J. Xu (2010), "Sensor Field Resource Management for Sensor Network Data Mining," in C. Cuzzocrea (Ed.), *Intelligent Techniques for Warehousing and Mining Sensor Network Data*, Hershey, PA, pp. 280-304.
8. M. Chau & J. Xu (2008), "Using Web Mining and Social Network Analysis to Study the Structure of Cyber Communities in Blogs," in H. Chen, E. Reid, J. Sinai, A. Silke, & B. Ganor (Eds.), *Information Systems and Informatics: Knowledge Management and Data Mining for Homeland Security*, Springer, New York, pp. 1-12.
9. J. Xu & H. Chen (2008), "Understanding the Nexus of Terrorist Web Sites," in H. Chen, E. Reid, J. Sinai, A. Silke, & B. Ganor (Eds.), *Information Systems and Informatics: Techniques and Applications*, Springer, pp. 65-78.
10. E. Reid, H. Chen, & J. Xu (2007), "Social Network Analysis for Terrorism Research," in R. Raghu, R. Ramesh, A. Vinze, & D. Zeng (Eds.), *National Security: Handbooks in Information Systems*, Elsevier, Amsterdam, Vol. 2, pp. 243-270.
11. D. M. McDonald, H. Sun, J. Xu, G. J. Tseng, H. Chen, & C. Lu (2005), "Case-Based Reasoning for Social Network Analysis," in H. Chen, E. Reid, J. Sinai, A. Silke, & B. Ganor (Eds.), *Information Systems and Informatics: Knowledge Management and Data Mining for Homeland Security*, Springer, New York, pp. 1-12.

3. "Entity Recognition from Colloquial Text," presented at the *IS Research @Bentley* Seminar Series, Bentley University, November 17, 2023.
4. "The Market for AI Generated NFTs: Participants, Items, and Transactions," with M. Li, presented at the *2022 SIGBIT Workshop on Web3 Technologies and Applications*, Copenhagen, Denmark, October 2022.
5. "Network Analysis," presented at Center for Integration of Science and Industry, Bentley University, November 2, 2022.
6. "How Diffused Emotions Affect User Contribution in Online Cancer Communities," with H. Hao, presented at the *INFORMS Annual Meeting*, Indianapolis, IN, October 16-19, 2022.
7. "How to Utilize Data Visualization Method to Analyze Information Systems Related Metrics," with H. Hao and Y. Lee, presented at *Americas Conference on Information Systems (AMCIS)*, Boston, MA, August 10-14, 2022.
8. "Peer-to-Peer Loan Fraud Detection: Constructing Features from Transaction Data," presented at *Range Machine Learning Alliance (FoRMLA) Seminar Series*, Boulder, CO, May 6, 2022.
9. "Do Information Systems Play a Role in Patient Safety? A Data Visualization Method for Healthcare Analytics," with H. Hao and A. Xu, presented at the *Conference on Health IT and Analytics*, Washington D.C., March 4 - 5, 2022.
10. "Peer-to-Peer Loan Fraud Detection: Constructing Features from Transaction Data," presented at *Peer-to-Peer Lending Seminar*, Bentley University, September 23, 2021.
11. "Machine Learning and Artificial Intelligence in Information Systems Research," presented at *Machine Learning Seminar*, Bentley University, October 23, 2020.
12. "Woman Seeking Work: Putting Your Best Foot Forward in the Job Search Process," presented at *Grace Hopper Celebration (GHC)*, Orlando, FL, October 2, 2019.
13. "Diffusion of Innovation in Accounting: How have the Big Four been Adopting Blockchain?" presented at the *2018 Workshop on Business Processes and Services (2018 SIGBPS)*, San Francisco, CA, December 13, 2018.
14. "Routine and Emergency Communications: Police Tweets and Community Responses," presented at the *23rd Americas Conference on Information Systems (AMCIS)*, Boston, MA, August 11, 2017.
15. "Patient Satisfaction and Hospital Structure: How Are They Related?" presented at the *Conference for Smart Health (ICSH)*, Hong Kong, China, June 27, 2017.
16. "Identifying Features for Detecting Fraudulent Loan Requests on P2P Platforms," presented at the *International Conference on Intelligence and Security Informatics*, Tucson, AZ, September 2017.
17. "The Effects of Lender-Borrower Communication on P2P Lending Outcomes," presented at the *International Conference on Information Systems (ICIS)*, Fort Worth, TX, December 15, 2017.
18. "Visualizing Business Processes for Providing ERP Task Support," presented at the *7th International Conference on Enterprise Systems in MIS*, Orlando, FL, December 15, 2012.
19. "Business Analytics," presented at Old Dominion University, October 26, 2011.
20. "Effectiveness of Electronic Word-of-Mouth: The Impact of Message Type, Tie Strength, and Delivery Method," presented at the *9th Workshop on e-Business (We-B'10)*, St. Louis, MO, October 2010.
21. "Identifying Cohesive Local Community Structure in Networks," presented at the *30th International Conference on Information Systems (ICIS'09)*, Phoenix, AZ, December 17, 2009.

25. "Criminal Relation Exploration Tool for Law Enforcement Knowledge Management," presented at *Americas Conference on Information Systems (AMCIS '04)*, New York, NY, August 2004.
26. "Analyzing and Visualizing Criminal Network Dynamics: A Case Study," presented at *Symposium on Intelligence and Security Informatics (ISI'04)*, Tucson, AZ, June 2004.
27. "Untangling Criminal Networks: A Case Study," presented at *the 1st NSF/NIJ Symposium on Intelligence and Security Informatics (ISI'03)*, Tucson, AZ, June 2003.
28. "CrimeLink Explorer: Using Domain Knowledge to Facilitate Automated Crime Association," presented at *the 1st NSF/NIJ Symposium on Intelligence and Security Informatics (ISI'03)*, Tucson, AZ, June 2003.
29. "Using Shortest Path Algorithms to Identify Criminal Associations," presented at *the 2nd Conference for Digital Government Research (dg.o 2002)*, Los Angeles, CA, May 2002.

TEACHING EXPERIENCE

- **FT 370:** Investment Applications of Natural Language Processing, Bentley University
 - **AI for Business Advantage,** Executive Education, Bentley University
 - **CS 602:** Data Driven Development with Python, Bentley University
 - **HC 664:** Healthcare Analytics, Bentley University
 - **CS 733:** Artificial Intelligence Techniques and Applications, Bentley University
 - **CS 753:** Business Intelligence Techniques and Applications, Bentley University
 - **CS 230:** Introduction to Programming with Python, Bentley University
 - **CS 360:** Business Systems Analysis and Modeling, Bentley University
 - **CS 350:** Database Management Systems, Bentley University
 - **CS 150:** Introduction to Data and Information Management, Bentley University
 - **FS 111:** First Year Seminar, Bentley University, Bentley University
 - **MIS 301:** Data Structures and Algorithms, University of Arizona
 - **ECON 202:** Principles of Microeconomics, University of Mississippi
 - **ECON 301:** Business Statistics I, University of Mississippi
 - **ECON 302:** Business Statistics II, University of Mississippi
 - **CSCI 259:** C++ Programming, University of Mississippi
 - **CSCI 575:** Database Systems, *University of Mississippi*
-

- CS 250: AI in Business, Bentley University, 2022
- Finance and Technology major, Bentley University, 2018 – 2022
- MS in Digital Innovation program, Bentley University, 2018 – 2020
- CS 733: Artificial Intelligence Techniques and Applications, Bentley University, 2019
- CS 230: Introduction to Programming with Python, Bentley University, 2017
- CS 753: Business Intelligence Techniques and Applications, Bentley University, 2012

HONORS AND AWARDS

- *Outstanding Scholarly Contribution Award*, Bentley University, 2023
- *Journal of the Association for Information Systems*’ Reviewer Hall of Fame, 2021
- *INFORMS ISS Design Science Award*, “Identifying People with Emotional Distress in O 2020.
- *Outstanding Service Award*, Bentley University, 2011.
- *Outstanding Scholarly Contribution Award*, Bentley University, 2008
- *Research Publication Award*, Bentley University, 2007
- *Best Paper Award* at the 10th *Pacific Asia Conference on Information Systems*, Malaysia
- *James LaSalle Award* for Teaching Excellence, University of Arizona, 2004
- Graduate In-state Tuition Scholarship, University of Arizona, 2001-2005
- Tuition Scholarship and Graduate Assistantship, University of Arizona, 2000-2005
- Tuition Scholarship and Graduate Assistantship, University of Mississippi, 1997-2000
- Renmin Fellowship, Beijing Institute of Technology, Beijing, China, 1991-1995

RESEARCH FUNDING & GRANTS

- Principle Investigator (PI): “Helping the Rich Get Richer? Algorithmic Bias in Recomm \$7,645, Bentley Research Council, Bentley University, 2024
- Summer Research Grant, \$10,000, Bentley University, 2024
- Principle Investigator (PI): “Professional Development and Career Booster,” \$2,500, Fa Committee, Bentley University, 2024
- Summer Research Grant, \$10,000, Bentley University, 2023
- Principle Investigator (PI): “Data Science for Social Good,” \$2,400, Faculty Affairs C

- Principle Investigator (PI): “The Diffusion and Adoption of Blockchain Technology,” Faculty Leadership Network, Bentley University, 2019
- Summer Research Grant, \$10,000, Bentley University, 2019
- Co-Principle Investigator (Co-PI): “A Study of Fraudulent Loan Requests on Peer-to-Peer Lending Platforms: Features Extraction, Antecedents, and Consequences,” ¥470,000, The National Natural Science Foundation of China, 2018-2022
- Summer Research Grant, Bentley University, 2016-2018
- Co-Principle Investigator (Co-PI): “Visual Methods for Real-life Systems,” \$9,500, Faculty Leadership Network, Bentley University, 2017
- Principle Investigator (PI): “Information Quality and P2P Lending Outcomes,” Faculty Leadership Network Grant, \$2,465, Bentley University, 2015
- Co-Principle Investigator (Co-PI): “The Public Sector Analytics.” \$15,452, Thought Leadership Network, Bentley University, 2015
- Co-Principle Investigator (Co-PI): “Data Innovation Network: Security & Privacy,” \$9,500, Faculty Leadership Network, Bentley University, 2015
- Co-Principle Investigator (Co-PI): “Business Analytics Methods, Techniques and Applications for Innovation,” Thought Leadership Network, Bentley University, 2015
- Co-Principle Investigator (Co-PI): “Applying Blog Mining Techniques in Suicide Research and Prevention,” Hong Kong Research Grants Council, HKD \$360,815, 2012 - 2014
- Summer Research Grant, Bentley University, 2009-2012
- Co-Principle Investigator (Co-PI): “Software for Real-World Systems (SRS): Design and Methodologies for Enhancing ERP System Usability,” \$400,000, The National Science Foundation, 2012
- Summer Research Grant, Bentley University, 2006-2008

GRANT PROPOSALS

- Co-Principle Investigator (Co-PI): “JARVIS: Jargon And Relationship Visualization and Analysis System,” Department of Defense (DoD), 2021
- Co-Principle Investigator (Co-PI): “SCOTT: Smart CONTACT Tracing Tool for Campus COVID-19,” Booz-Allen Foundation, 2020
- Co-Principle Investigator (Co-PI): “Healthcare Analytics: Using Machine Learning Approaches to Identify Useful Patterns in Health Insurance Claims Data,” Health Care Cost Institute (HCCI), 2020
- Co-Principle Investigator (Co-PI): “Leveraging Social Media for Active and Latent Public Safety Community Policing Case,” The National Science Foundation (NSF), 2015

SSRN Information Technology & Systems eJournal, Editor, 2025 – present
Journal of the Association for Information Systems, Senior Editor, 2023 – present
Decision Support Systems, Associate Editor, 2022 – present
Journal of the Association for Information Systems, Associate Editor, 2018 – 2023
ACM Transactions on Management Information Systems (TMIS), Guest Editor for the Special Issue on Language Models, 2023-2025
Journal of the Association for Information Systems, Guest Editor for the Special Issue on Social Good, 2021-2023
Communications of the AIS, Associate Editor, 2017 – 2024
Journal of Security Informatics, Associate Editor, 2010 – 2019
Information Systems Frontiers, Guest Editor, 2015 – present
Journal of Social Network Analysis and Mining, Associate Editor, 2010 – 2013
Annals of Information Systems, Guest Editor for the Special Issue on Data Mining for Social Good, 2009

- **Organizing Committee Chair for Conferences/Workshops:**
The Workshop on e-Business, 2018-2020
The Workshop for Special Interest Group on Business Processes & Services, 2019-2020
The Workshop on AI for Innovations, 2024
- **Associate Editor/Track Chair for Conferences/Workshops:**
International Conference on Information Systems (ICIS), 2011, 2014, 2018, 2024
European Conference on Information Systems (ECIS), 2018, 2020
Hawaii International Conference on System Sciences (HICSS), 2013 – 2017
International Conference on Electronic Commerce, 2014
- **Program Committee Member for Conferences/Workshops:**
Workshop on Information Technologies and Systems (WITS), 2022-present
Conference on Information Systems and Technology (CIST), 2022-2023
Pacific Asia Workshop on Intelligence and Security Informatics (PAISI), 2007 – present
IEEE International Conference on Intelligence and Security Informatics (IEEE ISI), 2008, 2009
International Conference on Smart Health (ICSH), 2017, 2019
International Conference on Advances in Social Network Analysis and Data Mining, 2018
European Conference in Intelligence Security Informatics (ECISI), 2008 – present
China Summer Workshop on Information Management (CSWIM), 2011 – present
International Conference on Networked Digital Technologies (NDT), 2009
International Workshop on Social Computing (SOCO), 2008
- **Reviewer for Journals:**
Management Science (MS)
MIS Quarterly (MISQ)
Information Systems Research (ISR)
Journal of Management Information Systems (JMIS)
Decision Support Systems (DSS)
Journal of Strategic Information Systems (JSIS)
European Journal of Information Systems (EJIS)

Journal of Intelligent Information Systems (JIIS)
Information & Management (I&M)
Information Systems Journal (ISJ)
Journal of Electronic Commerce Research and Applications (ECRA)
Production and Operations Management (POM)
The DATA BASE for Advances in Information Systems
International Journal of Information Management
Journal of Marketing
Information Systems Frontier
Information Sciences
Decision Science
IEEE Intelligent Systems
Journal of Security Informatics
Journal of Systems Science and Systems Engineering
Journal of Business Analytics

- Reviewer for Conferences/Workshops:

International Conference on Information Systems (ICIS)
Americas Conference on Information Systems (AMCIS)
Europe Conference on Information Systems (ECIS)
Pacific Asia Conference on Information System (PACIS)
Hawaii International Conference on Systems Science (HICSS)
International Conference on Design Science Research in Information Systems and Technology (ICDSR)
Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD)
Workshop on e-Business (WeB)
International Symposium on Collaborative Technologies and Systems (ICT)
ACM/IEEE Joint Conference on Digital Libraries (JCDL)
National Conference for Digital Government Research (Dg.O)
IEEE Symposium on Intelligence and Security Informatics (IEEE ISI)
Pacific Asia Workshop on Intelligence and Security Informatics (PAISI)
International Conference on Advances in Social Network Analysis and Data Mining (ASONAM)
European Conference in Intelligence Security Informatics (ECISI)
International Conference on Networked Digital Technologies (NDT)
International Workshop on Social Computing (SOCO)
China Summer Workshop on Information Management (CSWIM)
IEEE/WIC International Conference on Web Intelligence
European Conference on Research and Advanced Technology for Digital Libraries
International Conference on Asian Digital Libraries
International Symposium on Collaborative Information Visualization Environments
China Digital Library Conference
Bled Conference

- Reviewer/Academic Advisor for External Grant Applications and Organizations

University of Missouri, 2020
U.S. Government Accountability Office, 2011

- Advisor for Ph.D. Students:
 - Scott Keaney, Bentley University, 2024 – present
 - Ann M. Taylor, Bentley University, 2024
 - Kevin Bechard, Bentley University, 2023 – present
 - Ja-Nae Duane, Bentley University, 2020 – 2022
 - Yue Zhang (Visiting Doctoral Student), Nanjing University, 2009 – 2010
- Faculty Advisor for Student Teams in Case Competitions:
 - Travelers IT Case Competition, 2017
 - Travelers IT Case Competition (First Prize: Olivia Corriveau, Olivia von Oldenburg, An Meilin Zhu), 2016
- Committee Service (University Committees):
 - Technology, Innovation and Entrepreneurship (TIE) initiative*, 2024 - present
 - IAIPC Taskforce*, 2024 – present
 - Bentley Ph.D. Council*, 2024 – present
 - Ph.D. Academic Performance Committee*, 2024 – present
 - Executive Committee for the Center for Health and Business*, 2024 - present
 - Academic Performance Council*, 2024 - present
 - MBA Revitalization Committee*, 2023-2024
 - Bentley Research Council*, 2020 – 2023
 - Salary & Benefits Committee*, 2020 – 2023
 - Academic Integrity Council*, 2018 – 2024
 - Academic Standards*, 2016-2019
 - Faculty Advisor for *Graduate Information Technology Management Association*, 2016-
 - Board of Trustees Academic Affairs Committee*, 2009 – 2012
 - Undergraduate Admission Open House*
 - Graduate Admission Open House*
- Committee Service (Department Committees):
 - CIS Promotion & Tenure Committee*
 - CIS Research Committee*
 - CIS Tenure-Tract Faculty Recruiting Committee*
 - CIS Lecturer Recruiting Committee*
 - CIS Marketing Committee*
 - CIS Undergraduate Minor Committee*
 - Undergraduate Curriculum Advisor*
 - CIS/IPM Research Seminar*
- Media Contributions
 - Podcast: *AI in Academia*, Episode 5, May 23, 2024
 - Webinar: *Navigating the AI Landscape*, Bentley University, March 7, 2024