

HAMED M. ZOLBANIN

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ACADEMIC POSITIONS

- 2019 - Assistant Professor of MIS and Business Analytics, University of Dayton
- Academic Senate Representative, Senior Capstone Supervisor
- 2016 – 2019 Assistant Professor of MIS and Business Analytics, Ball State University
- Director of the Business Analytics Program, Senior Capstone Supervisor
- 2013 – 2016 Teaching Associate, Management Science and Information Systems,
Oklahoma State University

EDUCATION

- 2016 Oklahoma State University, Stillwater, OK
Ph.D., Management Science and Information Systems
- 2023 Johns Hopkins University, Baltimore, MD
M.Sc., Data Science
- 2011 University of Tehran, Tehran, Iran
MBA, Management of Urban Affairs
- 2005 Sharif University of Technology, Tehran, Iran
B.Sc., Computer Engineering

AWARDS & HONORS

- 2021 Best Paper Award, *Journal of Information Systems Education*
- 2015 Best Paper Award, SIG DSA, *Pre-ICIS Business Analytics Congress*

GRANTS

- 2023 \$2,500 Exercise Development Grant - Career Interest/Vocational Awareness in

Cybersecurity, the University of Dayton Center for Cybersecurity & Data Intelligence

2023 \$8,000 Research Grant – Positioning Machine Learning Research within the Design Science Paradigm, the University of Dayton, School of Business

JOURNAL PUBLICATIONS

- Davazdahemami, B., Kalgotra, P., Zolbanin, H.M., Delen, D. 2023. “A Developer-Oriented Recommender Model for the App Store: A Predictive Network Analytics Approach,” *Journal of Business Research*, 158.
- Zadeh, A., Lavine, B., Zolbanin, H.M. “Assessing the Severity of Data Breaches: A Cybersecurity Risk Quantification and Classification Framework for Informed Risk Mitigation Decisions,” *Decision Analytics Journal*, forthcoming.
- Zolbanin, H.M., Wynn, D. 2022. “From Star Rating to Sentiment Rating: Using Textual Content of Online Reviews to Develop More Effective Reputation Systems for Peer-to-Peer Accommodation Platforms,” *Journal of Business Analytics*, 6(2), 127-139.
- Davazdahemami, B., Zolbanin, H.M., Delen, D. 2022. “An Explanatory Analytics Framework for the Early Detection of Chronic Risk Factors in Pandemics,” *Healthcare Analytics*, 2.
- Davazdahemami, B., Zolbanin, H.M., Delen, D. 2022. “An Explanatory Machine Learning Framework for Studying Pandemics: The Case of the COVID-19 Emergency Department Readmissions,” *Decision Support Systems*, 161.
- Zolbanin, H.M., Davazdahemami, B., Delen, D., Hassan Zadeh. 2022. “Data Analytics for the Sustainable Use of Resources in Hospitals: Predicting the Length of Stay for Patients with Chronic Diseases,” *Information & Management*, 59(5).
- Hassan Zadeh, A., Zolbanin, H.M., Sharda, R. 2021. “Incorporating Big Data Tools for Social Media Analytics in a Business Analytics Course,” *Journal of Information Systems Education*, 32(3), 176-198.
- Zolbanin, H.M., Hassan Zadeh, A., Davazdahemami, B. 2021. “Miscommunication in the Age of Communication: A Crowdsourcing Framework for Symptom Surveillance at the Time of Pandemics,” *International Journal of Medical Informatics*, 151.
- Delen, D., Zolbanin, H.M., Crosby, D., Wright, D. 2021. “To Imprison or not to Imprison: An Analytics Model for Drug Courts,” *Annals of Operations Research*, 303, 101-124.
- Hvalshagen, M., Nittala, L., Raman, R., Sullivan, N., Zolbanin, H.M. 2021. “When Worlds Collide: Framing Students’ Challenges with Stay-at-Home Learning During COVID-19 Through

the Lens of Conflicting Role Identities”, *Communications of the Association for Information Systems*, 48 (21), 227-235.

- Sullivan, N., L., Raman, R., Zolbanin, H.M., Nittala, Hvalshagen, M. 2021. “How the Thread Was Lost: Misalignment of Expectations Between Students and Professors”, *Communications of the Association for Information Systems*, 48 (20), 149-160.
- Raman, R., Sullivan, N., Zolbanin, H.M., M., Nittala, L., Hvalshagen, M. 2021. “Practical Tips for HyFlex Undergraduate Teaching During a Pandemic”, *Communications of the Association for Information Systems*, 48 (28), 218-225.
- Hassan Zadeh, A., Zolbanin, H.M., Sengupta, A., Schultz, T. 2020. “Enhancing ERP Learning Outcomes through Microsoft Dynamics,” *Journal of Information Systems Education*, 31(2), 83-95.
- Zolbanin, H.M., Delen, D., Crosby, D., Wright, D. 2020. “A Predictive Analytics-Based Decision Support System for Drug Courts,” *Information Systems Frontiers*, 22(6), 1323-1342.
- Hassan Zadeh, A., Zolbanin, H.M., Sharda, R., Delen, D. 2019. “Social Media for Nowcasting the Flu Activity: A Spatio-Temporal Big Data Analysis,” *Information Systems Frontiers*, 21(4), 743-760.
- Zolbanin, H.M., Delen, D. 2018. “Processing Electronic Medical Records to Improve Predictive Analytics Outcomes for Hospital Readmissions,” *Decision Support Systems*, 112, 98-110
- Hassan Zadeh, A., Akinyemi, B., Jeyaraj, A., & Zolbanin, H.M. 2018. “Cloud ERP Systems for Small-And-Medium Enterprises: A Case Study in the Food Industry,” *Journal of Cases in Information Technologies*, 20(4), 53-70.
- Delen, D., Zolbanin, H.M. 2018. “The Analytics Paradigm in Business Research,” *Journal of Business Research*, 90, 186-195.
- Zolbanin, H.M., Delen, D., Sharma, S. 2018. “The Strategic Value of Big Data Analytics in Health Care Policymaking,” *International Journal of E-Business Research*, 14(3), 20-33.
- Piri, S., Delen, D., Liu, T., Zolbanin, H.M. 2017. “A Data Analytic Approach to Building a Clinical Decision Support System for Diabetic Retinopathy: Developing and Deploying a Model Ensemble,” *Decision Support Systems*, 101, 12-27.
- Zolbanin, H.M., Delen, D., Hassan Zadeh, A. 2015. “Predicting Overall Survivability in Comorbidity of Cancers: A Data Mining Approach,” *Decision Support Systems*, 74, 150-161.

WORKING PAPERS

- Chen, R., Zolbanin, H.M., Gentina, E. “Pseudo-Community Trust and Member Self-Disclosure: An Empirical Study,” Under the third round of review at *Information & Management*.
- Zolbanin, H.M., Gosalia, S. “Collaborative Online International Learning (COIL) Projects: An Opportunity to Enhance Information Systems Education,” Under the second round of review at *Communications of the Association for Information Systems*.
- Alsaffar, A.M., Nouri-Baygi, M., Zolbanin, H.M. “Shielding Networks: Enhancing Intrusion Detection with Hybrid Feature Selection and Stack Ensemble Learning,” Submitted to *Journal of Big Data*.
- Zolbanin, H.M., Winter, R. “Machine Learning as a Design Science Research Method: Conceptualizing ML Studies through the DSR Lens,” Revise and Resubmit at *Communications of the Association for Information Systems*.

CONFERENCE PROCEEDINGS AND PRESENTATIONS

- Zolbanin, H., Hassan Zadeh, A., "Data Analytics for Digital Entrepreneurship: A Case Study on Airbnb", TREO talk presented in the *American Conference on Information Systems*, Boston, MA, 2017.
- Hassan Zadeh, A., Zolbanin, H.M., Sharda, R., Delen, D. “Social Media for Nowcasting the Flu Activity: Spatial-Temporal and Text Analysis,” *Pre-ICIS Business Analytics Congress*, Fort Worth, TX, 2015 (Best Paper Award).
- Hassan Zadeh, A., Zolbanin, H. M., Sharda, R., Delen, D. “Investigating the Temporal-Spatial Cross-Correlation between the Flu Activity on Twitter and Clinical Health Records,” *INFORMS Healthcare Conference*, Nashville, TN, 2015.
- Chakraborty, G., Zolbanin H. M., Bowers, M. R., Camm, J. “How Does Industry Define Analytics? Results from a Text Mining Study of Analytics Job Postings,” *INFORMS Conference on Business Analytics & Operations Research*, Huntington Beach, CA, 2015.
- Zolbanin, H. M., Delen, D. “Investigating Cancer Comorbidity: A Data Mining Approach,” *Southwest Decision Sciences Institute*, Houston, TX, 2015.
- Zolbanin, H. M., Sarathy, R. “Job Satisfaction of IT/IS Professionals: The Impact of Top Management and IT Managers,” *American Conference on Information Systems*, Savannah, GA, 2014.

- Ardakan, M. A., Zolbanin, H. M., Khaleghi, A. “Developing a Model for Assessing IT Competency of Managers,” *The 5th European Conference on Information Management and Evaluation*, Como, Italy, 2011.

TEACHING

University of Dayton

- Data Management for Analytics, Master of Business Analytics (MIS 664A)
 - Winter 2023
 - Winter 2022 (two sections)
- Systems Implementation with Database Management Systems, Cross-listed for undergraduate and MBA students (MIS 385 / MBA 664)
 - Summer 2023
 - Spring 2023
 - Fall 2022
 - Fall 2021
 - Summer 2021
 - Spring 2021
 - Fall 2020
 - Spring 2020
 - Fall 2019
- MIS Project I – Analysis & Design in Teams (MIS 465)
 - Fall 2019
 - Fall 2020
 - Fall 2021
 - Fall 2022
- MIS Project II – Design & Implementation in Teams (MIS 475)
 - Spring 2020
 - Spring 2021
 - Spring 2022
 - Spring 2023
- Information Systems in Organizations (MIS 301)
 - Summer 2022 (study abroad)

Ferdowsi University of Mashhad (IRAN) - Adjunct

- Technical English for Computer Engineering

- Fall 2022

Ball State University

- Systems and Data Management: Analysis and Design, MBA course (ISOM 613) – Student Evaluation: 4.63/5
 - Spring 2018
- Introduction to Business Analytics (BA 305) – Average Student Evaluation: 4.57/5
 - Fall 2016
 - Fall 2017
 - Fall 2018
- Data Mining for Business Analytics (BA 345) - Average Student Evaluation: 4.70/5
 - Spring 2017
 - Spring 2018
 - Spring 2019
- Business Intelligence and Data Warehousing (BA 436) - Average Student Evaluation: 4.57/5
 - Fall 2016 (independent study)
 - Fall 2017
 - Fall 2018
- Business Analytics Research (BA 482) – Average Student Evaluation: 5/5
 - Spring 2018
 - Spring 2019
- Operations Management (ISOM 351)
 - Summer 2019 (two sections)

Oklahoma State University

- Operations Management (MSIS 3223)
 - Spring 2013
 - Fall 2013
 - Spring 2014 (two sections)
 - Fall 2014
 - Spring 2015
 - Summer 2015
 - Fall 2015
 - Spring 2016 (two sections)

- End User Database Systems Design and Management (MSIS 3103)
 - Fall 2014
 - Fall 2015

STUDENT ADVISING

Doctoral

- Ali Mohammed Alsaffar (Ph.D. Committee member – Ferdowsi University of Mashhad, 2022 – 2023)

Masters

- Asiyeh Bahrami (Thesis External Advisor – Ferdowsi University of Mashhad, 2023)

PROFESSIONAL SERVICE (JOURNALS)

- **Associate Editor** – Journal of Business Analytics. 2018 – present
- **Associate Editor** – Frontiers of Artificial Intelligence in Business. 2018 – 2023
- **Early Career Editorial Board Member** – Journal of Strategic Information Systems, 2022 – 2024
- **Reviewer** – Journal of Information Systems Education, 2022 – present
- **Ad Hoc Reviewer** – Information Systems Journal, European Journal of Information Systems, Decision Support Systems, Decision Sciences, Journal of the Operational Research Society, Government Information Quarterly, Internet Research, Journal of Big Data, International Journal of Electronic Commerce, Information Systems Frontiers, etc.

PROFESSIONAL SERVICE (CONFERENCES)

- **Mini-track Co-chair** – Hawaiian International Conference on System Sciences – 2018 – present
 - Data Science and Machine Learning to Support Business Decisions
- **Reviewer**
 - International Conference on Information Systems – 2019, 2021, 2022, 2023
 - European Conference on Information Systems – 2022
 - International Conference on Design Science in Information Systems and Technology – 2022

UNIVERSITY SERVICE

- Faculty Senate Representative, University of Dayton, 2023-2026.