

Yuhan Zhou

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[Google Scholar](#) | [LinkedIn](#)

TX, USA

EDUCATION

- **University of North Texas (UNT)** Aug 2024 – Present
Ph.D. in Information Science, Data Science Concentration
Denton, TX, USA
 - GPA: 4.00/4.00
 - Main Courses: Prompt Engineering, Big Data Analytics, Management of Information Agencies
 - Research Focus: AI-Assisted Library Services, Data Quality, Health Informatics, Multisource and Multimodal Data
 - Activities: Member, The Honor Society of Phi Kappa Phi (Top 10%)
- **The University of Hong Kong (HKU)** Aug 2022 – Nov 2023
MSc in Business Analytics
Hong Kong
 - GPA: 3.12/4.30
 - Main Courses: Business Intelligence and Analytics, Digital Experimentation Method
- **Zhejiang University (ZJU)** Sep 2018 – Jun 2022
BSc in Information Resource Management
Hangzhou, China
 - GPA: 3.87/4.00
 - Main Courses: Information Retrieval, Information Processing Technology, Social Informatization
 - Awards: Academic Excellent Student; Academic Merit Scholarship; Funding Scholarship (Top 3%)
 - Activities: Vice Minister of Entrepreneurial Practice Club; Business & Economics Association

PUBLICATIONS

1. H. Chen, **Y. Zhou**, R. Li, A. M. Illa, A. Cleveland, & J. Ding (2026). **A comprehensive survey on medical concept normalization: Datasets, techniques, applications, and future directions**. *Journal of Biomedical Informatics*, 178, 105005.
2. **Y. Zhou**, R. Li, A. Cleveland, J. Chen, K. Sha, & H. Chen (2026). **Quality-Aware data fusion and enhancement for medical concept normalization using large language models**. *Journal of Biomedical Informatics*.
3. **Y. Zhou**, H. Chen, & K. Sha (2026). **A novel multi-layer task-centric and data quality framework for autonomous driving**. *IEEE Internet Computing*.
4. **Y. Zhou**, M. Sattari, H. Chen, & K. Sha (2026). **Modeling and measuring redundancy in multisource multimodal data for autonomous driving**. *IEEE International Conference on Mobility: Operations, Services and Technologies (MOST 2026)*.
5. **Y. Zhou**, F. Tu, K. Sha, J. Ding, & H. Chen (2024). **A survey on data quality dimensions and tools for machine learning**. *IEEE International Conference on Artificial Intelligence Testing (Altest 2024)*.
6. N. Tran, H. Chen, A. Cleveland, & **Y. Zhou** (2024). **Disaster informatics after the COVID-19 pandemic: Bibliometric and topic analysis based on large-scale academic literature**. *arXiv preprint*.

TEACHING EXPERIENCE

Teaching Assistant

- INFO 5307 – Knowledge Management Tools and Technologies Fall 2026
- INFO 5810 – Data Analysis and Knowledge Discovery Summer 2025
- INFO 5731 – Computational Methods for Information Systems Fall 2024

Instructor

- **NextGen Data Leadership Summer Camp** Summer 2025

SERVICES

Journal Reviewer

- [The Electronic Library](#)
- [The Journal of Information and Knowledge Management](#)
- [The International Journal of Information, Diversity, and Inclusion](#)
- [Humanities and Social Sciences Communications](#)

Conference Reviewer

- [IEEE International Conference on Big Data \(IEEE BigData\)](#) 2026
- [America’s Conference on Information Systems \(AMCIS\)](#) 2026
- [ACM/IEEE Joint Conference on Digital Libraries \(JCDL\)](#) 2025, 2026
- [IEEE Artificial Intelligence and Software Testing \(AItest\)](#) 2025
- [Data Quality Aware, High-Performance, and Trustworthy AI Systems for Healthcare Workshop at IEEE/ACM CHASE](#) 2025

Conference Chair

- Website Chair, [IEEE Artificial Intelligence and Software Testing \(AItest\)](#) 2025–2026
- Organizing Committee, [ACM/IEEE Joint Conference on Digital Libraries \(JCDL\)](#) 2026

Lab Website Manager

- [Intelligent Data Engineering and Analytics \(IDEA\) Lab](#)

Volunteer

- [ACM/IEEE Joint Conference on Digital Libraries \(JCDL\)](#) 2026
- [NSF CISE MSI Aspiring PI Workshop](#) 2024

AWARDS

- **Best Paper Award** 2026
IEEE 4th International Conference on Mobility, Operations, Services and Technologies (MOST) 
- **Outstanding Reviewer, Emerald Literati Awards** 2025
Emerald Publishing 
- **1st Prize, Poster Presentation of Quality-aware Multi-source Data Fusion and Enhancement for MCN** 2025
Multidisciplinary Information Research Symposium (MIRS), University of North Texas 
- **3rd Prize, Poster Presentation on Quality-aware Multi-source Data Fusion and Enhancement for MCN** 2024
Day of Health Informatics and Data Science, University of North Texas 
- **3rd Prize, Paper Award for Enhancing data quality in medical concept normalization through LLMs** 2024
South Central Chapter of the Medical Library Association (SCC/MLA) 