Yue Zhang

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Education

The University of Texas at Dallas Started on 08/2023
Ph.D. in Computer Science (GPA: 4.00 / 4.00), Advisor: Vibhav Gogate *Richardson, Texas, US*

The University of Manchester 09/2020 - 09/2021
MSc in Advanced Computer Science (GPA: 3.83 / 4.00, Distinction) *Manchester, England, UK*

Zhejiang Normal University 09/2016 - 06/2020
B.E. in Computer Science and Technology (GPA: 3.86 / 4.00, Rank: 1/34) *Jinhua, Zhejiang, CHN*

Summary

I have published at top-tier AI and NLP venues such as ICLR, AAAI, EMNLP, CIKM, TMLR, and ICMR. My **Research Interests** mainly focus on Multimodality [1,2,3,4,5,6,9], Large Language Models (LLMs) [1,2,3,5,6,8,9,10], trustworthy AI [2,9] and Document Understanding [3,4]. My paper was selected as one of the best paper candidates for CIKM 2025.

Experience

Research Scientist Intern, Megagon Labs 06/2025 - 08/2025
Topic: Tabular Question Answering, Mentor: Seiji Maekawa, Nikita Bhutani *Mountain View, US*

- Conducted research on tabular question answering under different representations.
- First-author research paper produced from this work, submitted to a top-tier conference.

Research Assistant, Hong Kong University of Science and Technology 04/2022 - 03/2023
Topic: Multimodal Document Understanding, Supervisor: Lucy Park, Sung Kim *Hong Kong, CHN*

- Conducted research on Information Extraction in Multimodal documentation, training and fine-tuning a series Transformer-based model.
- Introduced a Post Correction Model to improve information extraction results in the field of multimodal document information extraction, improving the accuracy from 68.4438 to 71.6858.
- Proposed Extract Answer Merge Answer (EAMA) in the field of multimodal table information extraction, achieving **third place winner** in the VQAonBD task of the ICDAR competition.

Research Papers

[1] Defeasible Visual Entailment: Benchmark, Evaluator, and Reward-Driven Optimization
Yue Zhang, *Liqiang Jing*, *Vibhav Gogate* *AAAI 2025*

[2] Can Large Vision-Language Models Understand Sarcasm?
Yue Zhang*, *Xinyu Wang**, *Liqiang Jing* *CIKM 2025, Best Short Paper Candidate*
*(*Equal Contribution where noted)*

[3] Fine-grained and Explainable Factuality Evaluation for Multimodal Summarization
Yue Zhang, *Jingxuan Zuo*, *Liqiang Jing* *DoCUI@AAAI 2025*

[4] Same Content, Different Representations: A Controlled Study for Table QA
Yue Zhang, *Seiji Maekawa*, *Nikita Bhutani* *ICLR 2026*

[5] Can Video Large Multimodal Models Think Like Doubters—or Double-Down: A Study on Defeasible Video Entailment
Yue Zhang, *JiLei Sun*, *Yunhui Guo*, *Vibhav Gogate* *Under Review by ARR*

[6] Speech Recognition on TV Series with Video-Guided Post-Correction
Yue Zhang*, *Haoyuan Yang**, *Liqiang Jing*, *John Hansen* *Under Review by ICASSP*
*(*Equal Contribution)*

[7] Machine learning classification of multi-lead ECGs using clinically-relevant features
Yue Zhang, *David Wong* *MSc Thesis, University of Manchester*

[8] LMR-BENCH: Evaluating LLM Agent's Ability on Reproducing Language Modeling Research
Shuo Yan, Ruochen Li, Ziming Luo, Zimu Wang, Daoyang Li, Liqiang Jing, Kaiyu He, Peilin Wu, *EMNLP 2025*
*George Michalopoulos, **Yue Zhang**, Ziyang Zhang, Mian Zhang, Zhiyu Chen, Xinya Du*

[9] A Unified Hallucination Mitigation Framework for Large Vision-Language Models
*Yue Chang, Liqiang Jing, Xiaopeng Zhang, **Yue Zhang*** *TMLR 2024*

[10] LOGicalThought: Logic-Based Ontological Grounding of LLMs for High-Assurance Reasoning
*Navapat Nananukul, **Yue Zhang**, Ryan Lee, Eric Boxer, Jonathan May,* *Under Review by AAAI 2026*
Vibhav Gogate, Jay Pujara, Mayank Kejriwal

Tutorial Organization

Tutorial Proposal: Hallucinations in Large Language Models and Large Vision-Language Models
*Liqiang Jing, **Yue Zhang**, Xinya Du* *ICMR 2025*

Awards & Honors

CIKM Best Short Paper Candidate 2025

President's Special Award of Zhejiang Normal University 2020

Government Scholarship Awarded by the Education Department of Zhejiang Province 2018

First-class Scholarship of Zhejiang Normal University 2017, 2018, 2019

Technical Skills

Languages: Python, Java, C++, R, SQL
Technologies: PyTorch, scikit-learn, Huggingface, PyTorch-Ligtning, Weights&Bias, SpaCy, NLTK, Spring Boot, LaTex
Core Courses: Natural Language Processing, Artificial Intelligence, Machine Learning, Computer Vision