

Yue Zhang

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Education

The University of Texas at Dallas

Ph.D. in Computer Science (GPA: 4.00 / 4.00), Advisor: Vibhav Gogate

Started on 08/2023

Richardson, Texas, US

The University of Manchester

MSc in Advanced Computer Science (GPA: 3.83 / 4.00, Distinction)

09/2020 - 09/2021

Manchester, England, UK

Zhejiang Normal University

B.E. in Computer Science and Technology (GPA: 3.86 / 4.00, Rank: 1/34)

09/2016 - 06/2020

Jinhua, Zhejiang, CHN

Summary

I have published at top-tier AI and NLP venues such as 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].

Experience

Research Scientist Intern, Megagon Labs

Topic: Tabular Question Answering, Mentor: Seiji Maekawa, Nikita Bhutani

06/2025 - 08/2025

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

Topic: Multimodal Document Understanding, Supervisor: Lucy Park, Sung Kim

04/2022 - 03/2023

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

Under Review by 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, George Michalopoulos, **Yue Zhang**, Ziyang Zhang, Mian Zhang, Zhiyu Chen, Xinya Du

EMNLP 2025

[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, Vibhav Gogate, Jay Pujara, Mayank Kejriwal

Under Review by AAAI 2026

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-Lightning, Weights&Bias, SpaCy, NLTK, Spring Boot, LaTeX

Core Courses: Natural Language Processing, Artificial Intelligence, Machine Learning, Computer Vision