

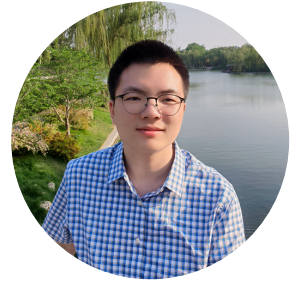
Zichen Tang

PH.D. CANDIDATE IN COMPUTER SCIENCE · NLP & MULTIMODAL AI RESEARCHER

School of Computer Science, Beijing University of Posts and Telecommunications (BUPT), Beijing, China

+86 19801332697 | tangzichen@bupt.edu.cn | zichentang.github.io | starlight24 | Google Scholar

Hugging Face



“Advancing rigorous benchmarks and trustworthy reasoning for multimodal large language models in real-world decision settings.”

Summary

Ph.D. student at BUPT (successive M.Sc.–Ph.D. program), supervised by Prof. Haihong E. Research focuses on **domain-specific knowledge reasoning**, **multimodal large language models (MLLMs)**, and **credible evaluation** of numerical and document-heavy reasoning—especially in finance and scientific settings. Published as first author at top-tier venues including **ACL**, **ICCV**, and **AAAI**, with additional co-authored work at **ACL**, **ICLR**, **NeurIPS**, **WWW**, **AAAI**, and related conferences (270+ citations on Google Scholar as of early 2026; see profile link in header).

International readiness: Comfortable conducting research discussions and presentations in English; presented posters at **ACL 2025** in Vienna, Austria, and **ICCV 2025** in Honolulu, U.S. Holds a **U.S. visa with ten-year validity**. Open to academic collaboration and volunteer/service roles that strengthen the ACL community.

Education

Beijing University of Posts and Telecommunications (BUPT)

Beijing, China

PH.D. IN COMPUTER SCIENCE (SUCCESSIVE M.SC.–PH.D. PROGRAM)

Sep. 2023 – Present

- Advisor: Prof. Haihong E · Focus: multimodal LLMs, benchmarking, complex reasoning, AI-generated content forensics-related evaluation.

Central University of Finance and Economics (CUFE)

Beijing, China

MINOR IN FINANCE

May 2021 – May 2024

- Coursework complementing financial-domain modeling and evaluation of reasoning benchmarks.
- Scholarship: CUFE Minor in Finance Scholarship (2nd Prize, university level).

Beijing University of Posts and Telecommunications (BUPT)

Beijing, China

B.E. IN COMPUTER SCIENCE & TECHNOLOGY

Sep. 2018 – Jun. 2023

- Honors: Beijing Outstanding Graduate; Outstanding Undergraduate Thesis (Beijing).

Publications

Publication counts and citation totals are maintained on Google Scholar; live project pages are linked from the homepage.

FIRST-AUTHOR PAPERS

- FinanceReasoning: Benchmarking Financial Numerical Reasoning More Credible, Comprehensive and Challenging (ACL 2025)**
Zichen Tang et al.
Structured knowledge-reasoning enhancements for credible evaluation of large reasoning models on financial numerical tasks; adopted by multiple industry research teams.
[Paper](#) • [Code](#) • [HF](#) • [Project](#) • [Video](#)
- FinMMR: Make Financial Numerical Reasoning More Multimodal, Comprehensive, and Challenging (ICCV 2025)**
Zichen Tang et al.
Multilingual multimodal benchmark exposing perception–reasoning–computation bottlenecks for MLLMs on realistic financial charts and reports.
[Paper](#) • [Code](#) • [HF](#) • [Project](#) • [Video](#)
- FinMMDocR: Benchmarking Financial Multimodal Reasoning with Scenario Awareness, Document Understanding, and Multi-Step Computation (AAAI 2026)**
Zichen Tang et al.
Scenario-heavy multimodal documents with long-context and multi-step computation for stress-testing MLLMs beyond

shallow chart QA.

 Paper •  Code •  HF •  Project •  Video

CO-AUTHORED PAPERS

- [4] **AEGIS: A Holistic Benchmark for Evaluating Forensic Analysis of AI-Generated Academic Images.** *ACL 2026.* (3rd author)
- [5] **Decoding Scientific Experimental Images: The SPUR Benchmark for Perception, Understanding, and Reasoning.** *ACL 2026.* (2nd author)
- [6] **RoadMapper: A Multi-Agent System for Roadmap Generation of Solving Complex Research Problems.** *Findings of ACL 2026.* (2nd author)
- [7] **THEMIS: Towards Holistic Evaluation of MLLMs for Scientific Paper Fraud Forensics.** *ICLR 2026.* (3rd author)
- [8] **Not Search, But Scan: Benchmarking MLLMs on Scan-Oriented Academic Paper Reasoning.** *ICLR 2026.* (2nd author)
- [9] **Less Irrelevant Information, More Explicit Evidence, and More Effective Recall via Evidence Chains.** *WWW 2026.* (4th author)
- [10] **Text2NKG: Fine-Grained N-ary Relation Extraction for N-ary Relational Knowledge Graph Construction.** *NeurIPS 2024.* (6th author)
- [11] **ChatKBQA: A Generate-then-Retrieve Framework for Knowledge Base Question Answering with Fine-tuned Large Language Models.** *Findings of ACL 2024.* (3rd author)
- [12] **HAHE: Hierarchical Attention for Hyper-Relational Knowledge Graphs in Global and Local Level.** *ACL 2023.* (7th author)
- [13] **NQE: N-ary Query Embedding for Complex Query Answering over Hyper-Relational Knowledge Graphs.** *AAAI 2023.* (7th author)

Innovation, Technology Transfer & Patents

Led or co-led interdisciplinary projects spanning **finance, health & education**, and nationwide **AI literacy** training; outcomes featured by national media (including CCTV and major newspapers).

INNOVATION & PLATFORMS

iLink Large-Model Innovation Practice Platform

*Ministry of Education recognition ·
Nationwide universities*

PROJECT LEAD · “AI + HIGHER EDUCATION” DISSEMINATION

2023 – Present

- Platform designated as a **Ministry of Education “Artificial Intelligence + Higher Education” typical application case**; delivered “AI+X” large-model innovation camps to **200+ universities** and **10,000+ faculty/students** (reported by *China Education Daily*, *Guangming Daily*, *China Youth Daily*, and CCTV segments).
- Invited exhibition participant at the **World MOOC and Online Education Conference** (2024, 2025) and the **World Digital Education Conference** (2025).

Knowledge-graph & LLM-enhanced AML / anti-fraud decision systems

National competitions · Industry pilots

LEAD STUDENT INNOVATOR · FINANCIAL AI RISK CONTROL

2023 – 2024

- **3rd China Mobile “Wutong Cup” Big Data Innovation Competition — national champion** (LLM-enhanced AML & anti-fraud platform).
- **2nd China Graduate FinTech Innovation Competition — national 2nd prize** (full-chain knowledge-graph solution for AML / anti-fraud).

Ultra-large-scale cross-domain data governance for intelligent decision services (Wu Wenjun AI Science & Technology Award)

*Enterprise deployment ·
Finance/business intelligence*

CORE CONTRIBUTOR · INDUSTRIAL R&D AWARD

2025

- **Wu Wenjun Artificial Intelligence Science & Technology Award — Progress Prize (First Class)**, as a major participant on hierarchical hyper-relational modeling and multi-scenario explainable decision technologies with measurable industrial adoption.

AUTHORIZED INVENTION PATENTS (CHINA)

Eight authorized national invention patents; inventor rank indicates overall order among all inventors (student role noted where applicable).

- **Anti-money laundering method and system** · ZL202310416603.9 · Rank **2** (*first student inventor*) · 2024
- **Multi-domain guided instructional QA generation** · ZL202510900516.X · Rank **3** (*second student inventor*) · 2025
- **Knowledge-graph question answering** · ZL202410607312.2 · Rank **5** · 2024
- **Hyper-relational knowledge extraction with fine-tuned LLMs** · ZL202410599858.8 · Rank **6** · 2024
- **Hypertension diagnosis & decision reasoning with multi-role graphs** · ZL202311578997.4 · Rank **4** (*second student inventor*) · 2024
- **Hemodialysis hypotension prediction with multi-horizon features** · ZL202310956821.1 · Rank **6** · 2023
- **Hyper-relational KG completion (HAHE-style hierarchical attention)** · ZL202310855908.X · Rank **6** · 2024

Honors & Scholarships

CAST Young Science & Technology Talent Program (doctoral cohort) , China Association for Science and Technology (CAST)	<i>China</i>	2025
National Scholarship (graduate) , Ministry of Education, China	<i>China</i>	2024
Beijing Merit Student , Municipal honor · Beijing	<i>China</i>	2024
Champion & Most Commercial Value Award , 1 st University ICT Industry–Education Integration Innovation Competition	<i>China</i>	2024
National Silver Award (“Red Tourism” track) , China International College Students’ Innovation Competition	<i>China</i>	2024
National 2nd Prize (Growth Track, national rank #2) , 2nd China Graduate FinTech Innovation Competition	<i>China</i>	2023
National Scholarship (undergraduate, twice) , Ministry of Education, China	<i>China</i>	2020; 2022

Coverage of innovation outcomes on national television (including CCTV *Morning News* and multi-channel reports).

Professional Service & Community

ACL ARR *Remote*

REVIEWER *2025–2026*
• Review cycles: ACL ARR 2025 February, ACL ARR 2025 May, ACL ARR 2025 July, ACL ARR 2025 October, ACL ARR 2026 January, ACL ARR 2026 March.

ACL ARR and NeurIPS (team-based reviewing support) *Remote*

SECOND REVIEWER & ASSISTANT MENTOR *Multiple cycles*
• Served as second reviewer / mentoring support for team reviewers in multiple cycles across ACL ARR and NeurIPS.
• Assisted Area Chair workflow in ACL ARR 2025 October and ACL ARR 2026 March.