Tao Zhe

CONTACT INFORMATION	Department of Computer Science University of Kansas Email: daynea281@gmail.com Github: Ricksanchez000	1450 Jayhawk Blvd Lawrence, KS, USA 66045 Phone: (785) 865-8108 Linkedin: TaoZhe linkedin

RESEARCH INTERESTS

My research interests span a broad range of areas, including data-centric artificial intelligence, anomaly detection, root cause analysis, causal discovery, spatiotemporal data mining, and AI for finance and other applications.

EDUCATION

Ph.D. candidate student, Computer Science, University of Kansas, 2025.01 - Present
M.S., Data Analytics for Economics & Finance, University of Glasgow, 2022.09 - 2023.11.
B.S., Financial Engineering, East China University of Political Science and Law, 2016.09 - 2020.06.

SCHOLARSHIP

Social Scholarship from East China University of Political Science and Law, 2019

KEY SKILLS

- Proficiency in Python, MATLAB, R, Eviews and Stata
- Statistical Machine Learning, Deep Learning (proficiency in related API such as Scikit-learn, Hugging Face, and PyTorch Framework)
- Natural Language Processing (NLP)
- Spatial-Temporal Data Mining, Deep Reinforcement Learning, Graph Theory (GNNs)
- Bayesian Data Analysis, Probability Modeling, Casual Inference/Discovery
- Time Series Analysis, Applied Computational Finance
- JavaScript, HTML, CSS, SQL, Scrapy, Selenium
- Excellent English communication skills, both written and verbal
- Junior Accountant Certificate of China/Securities Practicing Certificate of China
- Financial economic related domain knowledge

WORKING EXPERIENCE

Research Assistant(Full-time), Peking University, SUPD
Shenzhen, China   2024.02 - 2024.12
- NLP/ Causal Discovery/ Graph Neural Network / Reinforcement Learning/ web crawler/ Academic Research skill

College lecturer (Part-time), Yunnan Urban Construction Vocational College
Yunnan, China   2023.09 - 2024.01
- Part-time lecture/ Teaching skills

Civil servant (Intern), Chinese Local Bureau of Municipal Construction
Yunnan, China   2021.09 - 2022.08
- Management skills/ Time management/ Government Data Analysis

Finance Bureau Accounting assistant (Intern), Chinese Local Bureau of Finance
Yunnan, China   2020.02 - 2020.07
- Financial Accounting skills/ Government Document Writing/ Management skill.

PAPERS UNDER REVIEW

1 **Tao Zhe**, Huazhen Fang, Kunpeng Liu, Qian Lou, Tamzidul Hoque, Dongjie Wang Heterogeneous Multi-Agent Reinforcement Learning with Attention for Cooperative and Scalable Feature Transformation.
(Submitted to 31st SIGKDD Conference on Knowledge Discovery and Data Mining)

2 Wang, D., Huang, Y., Ying, W., Bai, H., Gong, N., Wang, X., ...,**Tao Zhe**,... & Fu, Y. (2025). Towards Data-Centric AI: A Comprehensive Survey of Traditional, Reinforcement, and Generative Approaches for Tabular Data Transformation.
arXiv preprint arXiv:2501.10555.

LANGUAGE PROFICIENCY

IELTS: 7.0, GRE: 319, Chinese native speaker

CERTIFICATE The securities qualification certificate

certificate of accounting professional

Google Data Analytics certificate