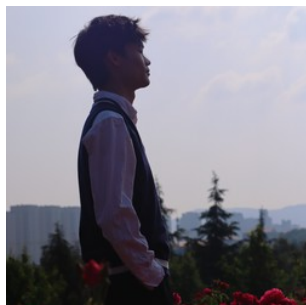# Tong Lu

about

School of Artificial
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languages

English &
Simplified Chinese

software

C++, Python,
Latex, Github, Linux

hobbies

Running
Swimming
Hiking
Photography

interests

Large language models, Knowledge graph, Retrieval-augmented generation and Agent

education

since 2024	**Ph.D. student in Computer Science and Technology** Supervisor: Zhichun Wang	Beijing Normal University
2021-2024	**M.Eng. in Computer Science and Technology** Supervisor: Kun Yue & Liang Duan	Yunnan University
2017–2021	**B.Sc. in Computer Science and Technology** Supervisor: Jingmin Zhang	Hebei Geo University

publications

[1] Tong Lu, Zhichun Wang, Yaoyu Zhou, Yiming Guan, Zhiyong Bai, and Junsheng Du. "SciMKG: A Multimodal Knowledge Graph for Science Education with Text, Image, Video and Audio". In: *Proceedings of the AAAI Conference on Artificial Intelligence* (2026).

[2] Tong Lu, Zhiwei Qi, Kun Yue, and Liang Duan. "Probabilistic Inference Based Incremental Graph Index for Similarity Search on Social Networks". In: *Collaborative Computing: Networking, Applications and Worksharing*. Ed. by Honghao Gao, Xinheng Wang, and Nikolaos Voros. Cham: Springer Nature Switzerland, 2024, pp. 458–473.

[3] Zhiwei Qi, Tong Lu, Kun Yue, and Liang Duan. "Similarity search on social networks with incremental graph indexing based on probabilistic inference". In: *International Journal of Web Information Systems* 20.4 (2024), pp. 395–412. ISSN: 1744-0084.

scholarships & awards

2024	**Outstanding Master's Graduates from Yunnan Province** M.Eng.	Yunnan University
2024	**Outstanding Master's Graduates from Yunnan University** M.Eng.	Yunnan University
2023	**Participation Award in the China Graduate Mathematical Modeling Competition** M.Eng.	Yunnan University
2022	**First Prize of Academic Scholarship** M.Eng.	Yunnan University
2022	**Provincial Silver Award of the 8th China College Students' "Internet+" Innovation and Entrepreneurship Competition** Master student	Yunnan University
2020	**Second Prize of Academic Scholarship** B.Sc.	Hebei GEO University
2019	**President of English Association** B.Sc.	Hebei GEO University