

# Yuxing Lu

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[LinkedIn](#) | [GitHub](#) | [Google Scholar](#) | Atlanta, Georgia, 30309, USA

## EDUCATION

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- **Georgia Institute of Technology** 08/2022 - 06/2027(exp.)  
*GT-Emory-PKU Joint PhD program | Research Interest: LLM, Multi-Agent System, AI for Healthcare* Atlanta, USA
- **Peking University** 08/2022 - 06/2027(exp.)  
*Department of Big Data and Biomedical AI | Quality Assessment Rank 1/24* Beijing, China
- **Soochow University** 09/2018 - 06/2022  
*B.S. Computer Science and Technology (Artificial Intelligence) | GPA: 3.8/4.0 (Rank 2/70)* Suzhou, China

## EXPERIENCE

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- **Google LLC** 05/2026 to 08/2026  
*Research Intern (Incoming)* Sunnyvale, USA
  - Contributed to the design and deployment workflow of Google Enterprise AI Agents by developing an Action Graph framework that converts successful tool-use trajectories into interpretable procedural memory. Designed a controlled with/without-AG evaluation pipeline to analyze how action graph context affects agent performance.
- **Tencent AI Lab** 06/2024 to 07/2025  
*Rhino Bird Elite Talent Program Intern, with scholarship (Rank 2 of 45)* Shenzhen, China
  - Conducted research on transformer based cfDNA foundation models using low coverage WGS data.
  - Led the design, training, and evaluation of a WGS to CpG methylation prediction module, enabling base level methylation inference from 1,410 samples and about 10 TB of data.
  - Built and finetuned multi-cancer early detection and cancer site origin models by integrating signals.
  - Achieved about 80% sensitivity at 98% specificity for early detection and about 85% accuracy for cancer site classification, contributing to a manuscript under review at *Nature* and four patents.
- **Huawei Technologies Co., Ltd.** 09/2021 to 12/2021  
*AI Engineer Intern* Nanjing, China
  - Worked on user store recommendation algorithms using daily behavioral data from 12 million active users for personalized recommendation and user profiling.
  - Extracted and processed large scale user behavior data with SQL and Spark, and built user profiles with 120+ features for downstream behavior prediction.
  - Implemented collaborative filtering models, contributing to about 30% improvement in overall efficiency.
- **National University of Singapore Research Institute** 02/2021 to 08/2021  
*Research Intern* Suzhou, China
  - Developed a pregnancy related question answering system using a knowledge graph built from more than 27,000 patient inquiries and expert responses.
  - Constructing a knowledge graph from medical dialogue data and BERT based entity and relation extraction, with 5,000+ entities and improving QA quality by 12%.

## RESEARCH HIGHLIGHTS

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- Developed large language model frameworks for biomedical reasoning and multi-agent systems.
- Led the design of cfDNA foundation models for early cancer detection using large-scale sequencing data.
- Proposed novel retrieval-augmented and memory-based LLM architectures for clinical decision support.
- Published in top venues including *Nature Medicine*, *NeurIPS*, with 939 citations and an H-index of 15.

## Published Works

## Journal Articles

- [J.1] **Yuxing Lu**, Fei Liu, Yunfang Yu, Bojiang Chen, Wenyao Yu, Zixing Zou, Kaiming Li, Meng Man, Chen Ou, Cheng Wang, et al. (2025). **AI-enabled molecular phenotyping and prognostic predictions in lung cancer through multimodal clinical information integration**. *Cell Reports Medicine*. 6(7), 102216. DOI: 10.1016/j.xcrm.2025.102216.
- [J.2] Sian Liu<sup>†</sup>, **Yuxing Lu**<sup>†</sup>, Xiaoman Li, Xiaoniao Chen, Zhuo Sun, Gen Li, Kai Wang, Wei Wu, Hui Xu, Hongyi Li, et al. (2026). **AI-guided personalized predictions on myopia progression and interventions**. *npj Digital Medicine*. 9(1), 129. DOI: 10.1038/s41746-025-02308-4.
- [J.3] Jinzhuo Wang<sup>†</sup>, Kai Wang<sup>†</sup>, Yunfang Yu<sup>†</sup>, **Yuxing Lu**<sup>†</sup>, Wenchao Xiao, Zhuo Sun, Fei Liu, Zixing Zou, Yuanxu Gao, et al. (2025). **Self-improving generative foundation model for synthetic medical image generation and clinical applications**. *Nature Medicine*. 31(2), 609–617. DOI: 10.1038/s41591-024-03359-y.
- [J.4] **Yuxing Lu**, Rui Peng, Lingkai Dong, Kun Xia, Renjie Wu, Shuai Xu, and Jinzhuo Wang. (2023). **Multimomics dynamic learning enables personalized diagnosis and prognosis for pancancer and cancer subtypes**. *Briefings in Bioinformatics*. 24(6), bbad378. DOI: 10.1093/bib/bbad378.
- [J.5] **Yuxing Lu**, Xiaohong Liu, Zongxin Du, Yuanxu Gao, and Guangyu Wang. (2023). **MedKPL: A heterogeneous knowledge enhanced prompt learning framework for transferable diagnosis**. *Journal of Biomedical Informatics*. 143, 104417. DOI: 10.1016/j.jbi.2023.104417.
- [J.6] Guangyu Wang, Xiaohong Liu, Zhen Ying, Guoxing Yang, Zhiwei Chen, Zhiwen Liu, Min Zhang, Hongmei Yan, **Yuxing Lu**, et al. (2023). **Optimized glycemic control of type 2 diabetes with reinforcement learning: a proof-of-concept trial**. *Nature Medicine*. 29(10), 2633–2642. DOI: 10.1038/s41591-023-02552-9.
- [J.7] Ji Wan, Zhongyi Nie, Jie Xu, Zixuan Zhang, Shenglian Yao, Zehua Xiang, Xiang Lin, **Yuxing Lu**, Chen Xu, Pengcheng Zhao, et al. (2024). **Millimeter-scale magnetic implants paired with a fully integrated wearable device for wireless biophysical and biochemical sensing**. *Science Advances*. 10(12), eadm9314. DOI: 10.1126/sciadv.adm9314.
- [J.8] Jinzhuo Wang, Yuanxu Gao, Fangfei Wang, Simiao Zeng, Jiahui Li, Hanpei Miao, Taorui Wang, Jin Zeng, et al. (2024). **Accurate estimation of biological age and its application in disease prediction using a multimodal image Transformer system**. *Proceedings of the National Academy of Sciences*. 121(3), e2308812120. DOI: 10.1073/pnas.2308812120.
- [J.9] Xukai Zhao, **Yuxing Lu**, and Guangsi Lin. (2024). **An integrated deep learning approach for assessing the visual qualities of built environments utilizing street view images**. *Engineering Applications of Artificial Intelligence*. 130, 107805. DOI: 10.1016/j.engappai.2023.107805.
- [J.10] Xukai Zhao, **Yuxing Lu**, Wenwen Huang, and Guangsi Lin. (2024). **Assessing and interpreting perceived park accessibility, usability and attractiveness through texts and images from social media**. *Sustainable Cities and Society*. 112, 105619. DOI: 10.1016/j.scs.2024.105619.
- [J.11] Xukai Zhao, He Huang, Guangsi Lin, **Yuxing Lu**, et al. (2025). **Exploring temporal and spatial patterns and nonlinear driving mechanism of park perceptions: A multi-source big data study**. *Sustainable Cities and Society*. 119, 106083. DOI: 10.1016/j.scs.2024.106083.
- [J.12] Xukai Zhao, He Huang, Tian Yang, **Yuxing Lu**, Lu Zhang, Rui Wang, Zhenyu Liu, Tian Zhong, and Tao Liu. (2025). **Urban planning in the age of large language models: Assessing OpenAI o1's performance and capabilities across 556 tasks**. *Computers, Environment and Urban Systems*. 121, 102332. DOI: 10.1016/j.compenvurbsys.2025.102332.
- [J.13] Wenchao Xiao, **Yuxing Lu**, Hanpei Miao, Wenting Zhao, and David Schanzlin. (2024). **Deep-learning-based diagnosis of myopia in children using optical coherence tomography angiography**. *MedComm–Future Medicine*. 3(1), e72. DOI: 10.1002/mef2.72.
- [J.14] Weichen Zhao, **Yuxing Lu**, Zhiyuan Liu, Yuan Yang, and Ge Jiao. (2025). **Cross-modal alignment with synthetic caption for text-based person search**. *International Journal of Multimedia Information Retrieval*. 14, Article 11. DOI: 10.1007/s13735-025-00356-w.

## Conference Proceedings

- [C.1] **Yuxing Lu**, Wei Wu, Xukai Zhao, Rui Peng, and Jinzhuo Wang. (2025). **KARMA: Leveraging Multi-Agent LLMs for Automated Knowledge Graph Enrichment**. *Advances in Neural Information Processing Systems (NeurIPS 2025, Spotlight)*. **top 3.2%**
- [C.2] **Yuxing Lu**, Gecheng Fu, Wei Wu, Xukai Zhao, Sin Yee Goi, and Jinzhuo Wang. (2025). **Towards Doctor-Like Reasoning: Medical RAG Fusing Knowledge with Patient Analogy through Textual Gradients**. *Advances in Neural Information Processing Systems (NeurIPS 2025)*.

- [C.3] **Yuxing Lu**, Xukai Zhao, J. Ben Tamo, Micky C. Nnamdi, Rui Peng, Shuang Zeng, Xingyu Hu, Jinzhao Wang, and May D. Wang. (2025). **MetaBench: A Multi-task Benchmark for Assessing LLMs in Metabolomics**. *arXiv preprint arXiv:2510.14944*. DOI: 10.48550/arXiv.2510.14944. (Accepted by ACL 2026 Oral, In Press). **top ~3%**
- [C.4] **Yuxing Lu**, Weichen Zhao, Nan Sun, and Jinzhao Wang. (2024). **Enhancing Multimodal Knowledge Graph Representation Learning through Triple Contrastive Learning**. *Proceedings of the Thirty-Third International Joint Conference on Artificial Intelligence (IJCAI-24 Oral)*. pp. 5963–5971. DOI: 10.24963/ijcai.2024/659.
- [C.5] **Yuxing Lu**. (2025). **Knowledge Graph and Large Language Model for Metabolomics**. *Proceedings of the AAAI Conference on Artificial Intelligence*. 39(28), 29281–29282. DOI: 10.1609/aaai.v39i28.35218.
- [C.6] **Yuxing Lu** and Xukai Zhao. (2025). **Non-invasive Lung Cancer Diagnosis and Prognosis Through Multimodal Clinical Data**. *2025 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. pp. 1–5. DOI: 10.1109/EMBC58623.2025.11253295.
- [C.7] **Yuxing Lu**, Xukai Zhao, and Weichen Zhao. (2025). **Predicting Adolescent Visual Acuity Using Transformer-Based Time Series Analysis**. *2025 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. pp. 1–5. DOI: 10.1109/EMBC58623.2025.11254164.
- [C.8] **Yuxing Lu**, Xukai Zhao, and Jinzhao Wang. (2024). **ClinicalRAG: Enhancing Clinical Decision Support through Heterogeneous Knowledge Retrieval**. *Proceedings of the 1st Workshop on Towards Knowledgeable Language Models (KnowLLM 2024)*. pp. 64–68. Association for Computational Linguistics. DOI: 10.18653/v1/2024.knowllm-1.6.
- [C.9] **Yuxing Lu**, Xukai Zhao, and Jinzhao Wang. (2023). **Medical knowledge-enhanced prompt learning for diagnosis classification from clinical text**. *Proceedings of the 5th Clinical Natural Language Processing Workshop*. pp. 278–288. Association for Computational Linguistics. DOI: 10.18653/v1/2023.clinicalnlp-1.33.
- [C.10] **Yuxing Lu**, Rui Peng, Jinzhao Wang, and Bingheng Jiang. (2023). **MoTIF: a Method for Trustworthy Dynamic Multimodal Learning on Omics**. *2023 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)*. pp. 2851–2858. DOI: 10.1109/BIBM58861.2023.10386044.
- [C.11] Xukai Zhao<sup>†</sup>, **Yuxing Lu**<sup>†</sup>, and Jinzhao Wang. (2024). **Multiscale Scoring Model for Enhanced Urban Perception Evaluation**. *ICASSP 2024 – 2024 IEEE International Conference on Acoustics, Speech and Signal Processing*. DOI: 10.1109/ICASSP48485.2024.10447909.
- [C.12] Nan Sun, LuYu Yuan, Han Fang, **Yuxing Lu**, Hefei Ling, Sijing Xie, and Chengxin Zhao. (2025). **Ultra-high Resolution Watermarking Framework Resistant to Extreme Cropping and Scaling**. *Advances in Neural Information Processing Systems (NeurIPS 2025)*.
- [C.13] Rui Peng, Yuchen Lu, Qichen Sun, **Yuxing Lu**, Chi Zhang, Ziru Liu, and Jinzhao Wang. (2025). **KINDLE: Knowledge-Guided Distillation for Prior-Free Gene Regulatory Network Inference**. *Advances in Neural Information Processing Systems (NeurIPS 2025)*.
- [C.14] Wei Wu, **Yuxing Lu**, Zhengrui Guo, Chi Zhang, Can Liao, Yifan Bu, Fangxu Zhou, and Jinzhao Wang. (2025). **Generalized and Invariant Single-Neuron In-Vivo Activity Representation Learning**. *Advances in Neural Information Processing Systems (NeurIPS 2025)*.
- [C.15] Rui Peng, Ziru Liu, Lingyuan Ye, **Yuxing Lu**, Boxin Shi, and Jinzhao Wang. (2025). **TRIDENT: A Trimodal Cascade Generative Framework for Drug and RNA-Conditioned Cellular Morphology Synthesis**. *arXiv preprint arXiv:2511.18287*. DOI: 10.48550/arXiv.2511.18287. (Accepted by CVPR 2026, Highlight). **top 2.6%**
- [C.16] Nan Sun, Han Fang, **Yuxing Lu**, Chengxin Zhao, and Hefei Ling. (2025). **END<sup>2</sup>: Robust Dual-Decoder Watermarking Framework Against Non-Differentiable Distortions**. *Proceedings of the Thirty-Ninth AAAI Conference on Artificial Intelligence (AAAI-25)*. DOI: 10.1609/aaai.v39i1.32060.
- [C.17] Nan Sun, **Yuxing Lu**, Han Fang, Hefei Ling, Sijing Xie, LuYu Yuan, and Chengxin Zhao. (2026). **GlyphShield: Document Watermarking for the Physical World via Vector Typeface Synthesis**. *Proceedings of the AAAI Conference on Artificial Intelligence*. 40(2), 1033–1041. DOI: 10.1609/aaai.v40i2.37073.
- [C.18] Weichen Zhao, **Yuxing Lu**, Ge Jiao, and Yuan Yang. (2024). **Concentrated Reasoning and Unified Reconstruction for Multi-Modal Media Manipulation**. *ICASSP 2024 – 2024 IEEE International Conference on Acoustics, Speech and Signal Processing*. DOI: 10.1109/ICASSP48485.2024.10447651.
- [C.19] Weichen Zhao, **Yuxing Lu**, Ge Jiao, and Yuan Yang. (2024). **Dual-Color Granularity Alignment for Text-Based Person Search**. *ICASSP 2024 – 2024 IEEE International Conference on Acoustics, Speech and Signal Processing*. pp. 8075–8079. DOI: 10.1109/ICASSP48485.2024.10445822.
- [C.20] Linjie Wang, Shiyi Hao, **Yuxing Lu**, Chen Wang, Yunfei Liu, and Shengyang Li. (2024). **Gael: A Global-Aware Entity Linking Model Based on Retriever-Reader Paradigm**. *7th International Conference on Machine Learning and Natural Language Processing (IEEE MLNLP 2024)*. pp. 1–6.

- [P.1] Xukai Zhao, Guangsi Lin, and **Yuxing Lu**. (2025). **A dual-modal scoring method and system for coupling park social media review text and image**. *Google Patents*. Patent No. CN117932404B. Priority Date: 2024-01-05. Filing Date: 2024-01-05. Grant Date: 2025-06-17. Publication Date: 2025-06-17.
- [P.2] Yu Zhao, **Yuxing Lu**, Jianhua Yao, Chenchen Qin, and Bing He. (2025). **Biological sample processing method, device, equipment and storage medium**. *Google Patents*. Patent No. CN119193846B. Priority Date: 2024-11-22. Filing Date: 2024-11-22. Grant Date: 2025-04-04. Publication Date: 2025-04-04.
- [P.3] Guangsi Lin, Xukai Zhao, **Yuxing Lu**, Mengyun Chen, Xiaoqi He, and Chenyang Li. (2025). **A method and device for scoring park social media comments and extracting core phrases**. *Google Patents*. Patent No. CN120336699A. Priority Date: 2025-02-28. Filing Date: 2025-02-28. Publication Date: 2025-07-18.
- [P.4] Guangsi Lin, Xukai Zhao, **Yuxing Lu**, Mengyun Chen, Xiaoqi He, and Chenyang Li. (2025). **A method for extracting focal objects from park images based on visual saliency prediction**. *Google Patents*. Patent No. CN120339812A. Priority Date: 2025-02-28. Filing Date: 2025-02-28. Publication Date: 2025-07-18.
- [P.5] Yu Zhao, **Yuxing Lu**, Jianhua Yao, Chenchen Qin, and Bing He. (2024). **Training method and device for prediction model, electronic equipment, medium and program product**. *Google Patents*. Patent No. CN119049562A. Priority Date: 2024-08-22. Filing Date: 2024-08-22. Publication Date: 2024-11-29.
- [P.6] Jing Yang, Aiqing Zhang, Kun Xia, Yangyu Zhao, Jinzhuo Wang, Li Li, **Yuxing Lu**, Nana Huang, Youzhen Zhang, Xiya Sun, Yang Yu, Ziyue Su, Yutong Bao, and Zeyang Lin. (2024). **A method for predicting fetal growth restriction, electronic device and storage medium**. *Google Patents*. Patent No. CN118983098A. Priority Date: 2024-08-02. Filing Date: 2024-08-02. Publication Date: 2024-11-19.
- [P.7] Xukai Zhao, Guangsi Lin, and **Yuxing Lu**. (2024). **Built environment perception assessment method, system, device and medium based on street view image**. *Google Patents*. Patent No. CN117830830A. Priority Date: 2023-12-13. Filing Date: 2023-12-13. Publication Date: 2024-04-05.

## Unpublished Works

### Journal Manuscripts / Under Review

- [S.1] Yu Zhao<sup>†</sup>, Chenchen Qin<sup>†</sup>, **Yuxing Lu**<sup>†</sup>, et al. (2026). **A cfDNA foundation model for multi-cancer early detection and cancer signal origin prediction**. Manuscript under review at *Nature*.
- [S.2] Xiaoniao Chen<sup>†</sup>, Sian Liu<sup>†</sup>, Kai Wang<sup>†</sup>, Sheng Wang<sup>†</sup>, Wei Wu<sup>†</sup>, Hui Xu<sup>†</sup>, Hang Weng<sup>†</sup>, Changxi Hu<sup>†</sup>, Bingrong Wu<sup>†</sup>, **Yuxing Lu**<sup>†</sup>, et al. (2026). **EyeAgent diagnoses and predicts ocular diseases using ophthalmic and systemic health data**. Manuscript revision at *Nature Medicine*.
- [S.3] Hao Wu, Wenxin Zheng, Xiaokai Bei, Kai Wang, Sian Liu, Siming Chen, Gen Li, **Yuxing Lu**, et al. (2026). **MoChiAgent analyses electronic health record data to predict maternal and infant outcomes**. Manuscript revision at *Nature Medicine*.
- [S.4] **Yuxing Lu**, Sin Yee Goi, Xukai Zhao, J. Ben Tamo, Micky C. Nnamdi, Wenqi Shi, May D. Wang, and Jinzhuo Wang. (2026). **Leveraging Multi-Source Knowledge and Agent Collaboration for Medical Tasks**. Manuscript revision at *npj Digital Medicine*.
- [S.5] **Yuxing Lu**, Xinru Guan, Wei Wu, Li Quan, Lin Wang, Li Chen, and Jinzhuo Wang. (2026). **Metabolite-centric Knowledge Graph Unveils Predictive and Mechanistic Insights through Multimodal Learning**. Manuscript under review at *Cell Reports Methods*.

### Conference / Preprint

- [A.1] J. Ben Tamo<sup>†</sup>, **Yuxing Lu**<sup>†</sup>, Benoit L. Marteau, Micky C. Nnamdi, and May D. Wang. (2026). **EvidenceRL: Reinforcing Evidence Consistency for Trustworthy Language Models**. *arXiv preprint arXiv:2603.19532*. DOI: 10.48550/arXiv.2603.19532. (Submitted to ARR 2026)
- [A.2] **Yuxing Lu**, Yucheng Hu, Xukai Zhao, and Jiuxin Cao. (2026). **DyTopo: Dynamic Topology Routing for Multi-Agent Reasoning via Semantic Matching**. *arXiv preprint arXiv:2602.06039*. DOI: 10.48550/arXiv.2602.06039. (Submitted to ICML 2026)
- [A.3] **Yuxing Lu**, J. Ben Tamo, Weichen Zhao, Nan Sun, Yishan Zhong, Wenqi Shi, Jinzhuo Wang, and May D. Wang. (2026). **LLM-as-RNN: A Recurrent Language Model for Memory Updates and Sequence Prediction**. *arXiv preprint arXiv:2601.13352*. DOI: 10.48550/arXiv.2601.13352.
- [A.4] **Yuxing Lu**, Xukai Zhao, Wei Wu, and Jinzhuo Wang. (2026). **Training the Knowledge Base through Evidence Distillation and Write-Back Enrichment**. *arXiv preprint arXiv:2603.25737*. DOI: 10.48550/arXiv.2603.25737. (Submitted to ARR 2026)
- [A.5] **Yuxing Lu**, Yucheng Hu, Nan Sun, and Xukai Zhao. (2025). **Language-Guided Tuning: Enhancing Numeric Optimization with Textual Feedback**. *arXiv preprint arXiv:2508.15757*. DOI: 10.48550/arXiv.2508.15757. (Submitted to ARR 2026)

- [A.6] Yucheng Hu<sup>†</sup> and Yuxing Lu<sup>†</sup>. (2024). **RAG and RAU: A Survey on Retrieval-Augmented Language Model in Natural Language Processing**. *arXiv preprint arXiv:2404.19543*. DOI: 10.48550/arXiv.2404.19543.
- [A.7] Yuxing Lu, Sin Yee Goi, Xukai Zhao, and Jinzhuo Wang. (2025). **Biomedical Knowledge Graph: A Survey of Domains, Tasks, and Real-World Applications**. *arXiv preprint arXiv:2501.11632*. DOI: 10.48550/arXiv.2501.11632.
- [A.8] Meng Lu, Yuxing Lu, Yuchen Zhuang, Megan Mullins, Yang Xie, Guanghua Xiao, Charles Fleming, Wenqi Shi, and Xuan Wang. (2026). **MEDVISTAGYM: A Scalable Training Environment for Thinking with Medical Images via Tool-Integrated Reinforcement Learning**. *arXiv preprint arXiv:2601.07107*. DOI: 10.48550/arXiv.2601.07107.
- [A.9] Qichen Sun, Yuxing Lu, Kun Xia, Li Chen, He Sun, and Jinzhuo Wang. (2025). **Comprehensive Manuscript Assessment with Text Summarization Using 69707 articles**. *arXiv preprint arXiv:2503.20835*. DOI: 10.48550/arXiv.2503.20835.
- [A.10] Rui Peng, Juntian Qi, Yuxing Lu, Wei Wu, Qichen Sun, Chao Zhang, Yongzhen Chen, and Jinzhuo Wang. (2025). **Dissecting Dynamic Gene Regulatory Network Using Transformer-Based Temporal Causality Analysis**. *bioRxiv preprint*. DOI: 10.1101/2025.02.05.636766.

## ACADEMIC SERVICES

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### Teaching Assistant

Teaching Assistant, Medical Artificial Intelligence, Peking University - 23 Fall

Teaching Assistant, Multi-Omics Data Analysis, Peking University - 23 Fall, 24 Spring

### Academic Committee

AAAI Student Committee (First from China Mainland)

IEEE BHI Young Professionals

### Journal Review Experiences

Referee for *Nature Communications*

Referee for *npj Digital Medicine*

Referee for *Scientific Reports*

Referee for *Expert Systems with Applications*

Referee for *Information Processing & Management*

Referee for *Engineering Applications of Artificial Intelligence*

Referee for *Artificial Intelligence Review*

Referee for *ACM Transactions on Intelligent Systems and Technology*

Referee for *BMC Bioinformatics*

Referee for *BMC Medical Informatics and Decision Making*

Referee for *BMC Medical Research Methodology*

Referee for *BMC Pulmonary Medicine*

Referee for *BMC Cardiovascular Disorders*

Referee for *BioData Mining*

Referee for *Biomedical Materials & Devices*

Referee for *Cities*

Referee for *Computer Methods in Biomechanics and Biomedical Engineering*

Referee for *Cluster Computing*

Referee for *Discover Artificial Intelligence*

Referee for *Discover Applied Sciences*

Referee for *Discover Public Health*

Referee for *Journal of Medical Systems*

Referee for *Journal of Experimental & Theoretical Artificial Intelligence*

Referee for *Clinical and Experimental Medicine*

Referee for *Clinical & Translational Metabolism*

Referee for *SN Comprehensive Clinical Medicine*

Referee for *Therapeutic Innovation & Regulatory Science*

### Conference Review Experience

Referee for *NeurIPS*

Referee for *ICML*

Referee for *CVPR*

Referee for *ICCV*

Referee for *ECCV*

Referee for *AAAI*

Referee for *ARR*

Referee for *NAACL*

Referee for *ICASSP*

Referee for *BMVC*

## TALKS AND PRESENTATIONS

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### Invited Talks

12/2024	Knowledge graphs in biomedical research	South China University of Technology
11/2024	Generative foundation model for medicine	Tencent AI Lab

### Conference Presentations

07/2026	ACL 2026 (1 Poster, 1 Oral)
02/2026	AAAI 2026 (1 Poster)
12/2025	NeurIPS 2025 (5 Posters, 1 Spotlight)
10/2025	IEEE BHI 2025 (2 Posters)
07/2025	IEEE EMBC 2025 (2 Posters, 1 Oral)
02/2025	AAAI 2025 (1 Poster, 2 Orals)
10/2024	IEEE MLNLP 2024 (1 Poster)
08/2024	ACL 2024 (1 Poster)
07/2024	IJCAI 2024 (1 Poster, 1 Oral)
04/2024	IEEE ICASSP 2024 (4 Posters)
12/2023	IEEE BIBM 2023 (1 Oral)
07/2023	NAACL 2023 (1 Poster)

## HONORS AND AWARDS

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**NeurIPS Scholar Award**, Conference on Neural Information Processing Systems (NeurIPS)  
**Student Travel Grant**, AAAI Conference on Artificial Intelligence  
**Student Travel Grant**, International Joint Conference on Artificial Intelligence (IJCAI)  
**Student Travel Grant**, IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)  
**National Scholarship**, Ministry of Education, China  
**Principal's Scholarship (Twice)**, Peking University  
**Second Prize (National)**, China Software Cup Software Design Competition  
**Second Prize (National)**, Lanqiao National Software Competition  
**Nominee for Student of the Year**, Peking University  
**Top Ten Outstanding Youth Volunteer**, Peking University

## LEADERSHIP AND SERVICE

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<b>Executive Director</b> , Suzhou "Star Autism Child" Program (NGO)	2019.06–Present
<b>President</b> , Student Union, School of Computer Science and Technology, Soochow University	2020.06–2021.09
<b>President</b> , Youth Volunteer Association, Soochow University	2020.06–2021.09
<b>Administrative Assistant</b> , College of Future Technology, Peking University	2023.09–2024.09
<b>Administrative Assistant</b> , International Student Office, Peking University	2022.09–2024.09