

Xiangyan Liu

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Education

National University of Singapore <i>Ph.D.</i> in Computer Science, School of Computing Advisor: Michael Qizhe Shieh	Aug. 2024 - Present Singapore
National University of Singapore <i>M.Sc.</i> in Statistics, Department of Statistics and Data Science	Aug. 2022 - Jan. 2024 Singapore
Shanghai University of Finance and Economics <i>B.Sc.</i> in Data Science, School of Statistics and Management	Sep. 2018 - Jun. 2022 Shanghai, China

Experience

Sea AI Lab Associate member, working with Tianyu Pang , Chao Du , and Longxu Dou	Singapore Oct. 2024 – Present
Alibaba Group, Tongyi Lab Research intern, advised by Wenmeng Zhou	Hangzhou, China Mar. 2024 – Aug. 2024
WestLake University, LINs Lab Visiting student, advised by Tao Lin	Hangzhou, China May. 2023 – Nov. 2023
National University of Singapore, NExT Research Centre Research Intern, working with Wei Ji	Singapore (Remote) Jan. 2023 – Nov. 2023

Selected Publications

NoisyRollout: Reinforcing Visual Reasoning with Data Augmentation

Xiangyan Liu*, Jinjie Ni*, Zijian Wu*, Chao Du, Longxu Dou, Haonan Wang, Tianyu Pang, Michael Qizhe Shieh
arXiv preprint arXiv:2504.13055, 2025

CodexGraph: Bridging Large Language Models and Code Repositories via Code Graph Databases

Xiangyan Liu*, Bo Lan*, Zhiyuan Hu, Yang Liu, Zhicheng Zhang, Fei Wang, Michael Shieh, Wenmeng Zhou
North American Chapter of the Association for Computational Linguistics (NAACL), 2025

Towards Robust Multi-Modal Reasoning via Model Selection

Xiangyan Liu*, Rongxue Li*, Wei Ji, Tao Lin
International Conference on Learning Representations (ICLR), 2024

Online Distillation-Enhanced Multi-Modal Transformer for Sequential Recommendation

Wei Ji*, Xiangyan Liu*, An Zhang, Yinwei Weo, Yongxin Ni, Xiang Wang
ACM International Conference on Multimedia (ACM MM), Oral, 2023

Service

Conference Reviewer: ICLR (2025), NeurIPS (2024, 2025), ACM MM (2023, 2024)

Skills

Languages: Python, R, SQL, Shell Script, Scala, LaTeX

Frameworks and Tools: PyTorch (Distributed Training), Hugging Face, vLLM, Ray, Spark, Docker

Teaching

Teaching Assistant CS5260 - Neural Networks and Deep Learning II, National University of Singapore	Singapore Spring 2025
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