

Mufei Li

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Homepage: <https://mufeili.github.io>

Education

- **Georgia Institute of Technology** Atlanta, GA, United States
Ph.D., Machine Learning Aug 2023 - July 2027 (expected)
- **New York University Shanghai** Shanghai, China
B.S., Honors Mathematics Sep 2014 - May 2018

Professional Experience

- **Applied Scientist Intern** Seattle, WA, United States
Amazon Web Services May 2026 - Aug 2026
On-policy distillation (OPD) for multi-turn tool use agents
- **Research Scientist Intern** Sunnyvale, CA, United States
Meta Ranking and Foundational AI May 2025 - Nov 2025
Long-context reasoning and retrieval-augmented generation (RAG)
- **Software Development Engineer II** Shanghai, China
Amazon Web Services Shanghai AI Lab Feb 2019 - Jun 2023
Core developer team for Deep Graph Library ([14K GitHub stars](#)) on graph deep learning

Selected Publications

- [Mufei Li et al.](#), **KVERaser: Learning to Steer KV Cache for Efficient Localized Context Erasing**, **oral** at ICML 2026 MemFM workshop.
- [Shikun Liu, Mufei Li et al.](#), **Towards Direct Latent-Space Synthesis for Parallel Branches in LLM-Agent Workflows**, ICML 2026 GFM workshop.
- [Deyu Zou, Yongqiang Chen, Jianxiang Wang, Garry Yang, Mufei Li, et al.](#), **T³: Reducing Belief Deviation in Reinforcement Learning for Active Reasoning**, ICLR **oral (top 1.18%)**, 2026.
- [Mufei Li et al.](#), **Haystack Engineering: Context Engineering for Heterogeneous and Agentic Long-Context Evaluation**, NeurIPS 2025 LLM-eval workshop.
- [Haoyu Wang, Peihao Wang, Mufei Li, et al.](#), **Graph-KV: Breaking Sequence via Injecting Structural Biases into Large Language Models**, NeurIPS, 2025.
- [Mufei Li*](#), [Siqi Miao*](#), [Pan Li](#), **Simple is Effective: The Roles of Graphs and Large Language Models in Knowledge-Graph-Based Retrieval-Augmented Generation**, ICLR, 2025 (*Equal contribution); also **oral presentation** at ICLR 2025 FM-Wild workshop.
- [Mufei Li et al.](#), **LayerDAG: A Layerwise Autoregressive Diffusion Model for Directed Acyclic Graph Generation**, ICLR **Spotlight (top 5.1%)**, 2025; also **spotlight** at ICLR 2025 SynthData workshop.

Honors and Awards

- Silver Reviewer for ICML 2026
- Notable Reviewer for ICLR 2025
- Top Reviewer for NeurIPS 2024
- Georgia Tech ECE Fellowship
- Gemini Academic Program Award

Peer Review Service

- Conference on Neural Information Processing Systems (NeurIPS), 2024 - 2026
- International Conference on Learning Representations (ICLR), 2025 - 2026
- International Conference on Machine Learning (ICML), 2025 - 2026
- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2024
- Transactions on Machine Learning Research (TMLR), 2025
- ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD), 2024
- Learning on Graphs Conference (LoG), 2024
- Asian Conference on Machine Learning (ACML), 2024