Mufei Li

mufeili1996@gmail.com
Homepage: https://mufeili.github.io

Education

- **Georgia Institute of Technology** — Georgia, United States
  Ph.D., Machine Learning — *Aug 2023 -*
- **New York University Shanghai** — Shanghai, China
  B.S., Honors Mathematics — *Sep 2014 - May 2018*

Professional Experience

- **Research Scientist Intern** — California, United States
  Meta Ranking and Foundational AI — *May 2025 -*
- **Software Development Engineer II** — Shanghai, China
  Amazon Web Services Shanghai AI Lab — *Jul 2020 - Jun 2023*
- **Software Development Engineer I** — Shanghai, China
  Amazon Web Services Shanghai AI Lab — *Feb 2019 - Jul 2020*
- **Research Assistant** — Shanghai, China
  New York University Shanghai — *Jun 2018 - Feb 2019*

Selected Publications

- Mufei Li, Dongqi Fu, Limei Wang, Si Zhang, Hanqing Zeng, Kaan Sancak, Ruizhong Qiu, Haoyu Peter Wang, Xiaoxin He, Xavier Bresson, Yinglong Xia, Chonglin Sun, Pan Li, **Haystack Engineering: Context Engineering for Heterogeneous and Agentic Long-Context Evaluation**, NeurIPS 2025 workshop on Evaluating the Evolving LLM Lifecycle.
- Xinjie Shen, Mufei Li, Pan Li, **Measuring Physical-World Privacy Awareness of Large Language Models: An Evaluation Benchmark**, NeurIPS 2025 workshop on Bridging Language, Agent, and World Models.
- Haoyu Wang, Peihao Wang, Mufei Li, Shikun Liu, Siqi Miao, Zhangyang Wang, Pan Li, **Graph-KV: Breaking Sequence via Injecting Structural Biases into Large Language Models**, Advances in Neural Information Processing Systems (NeurIPS), 2025.
- Rongzhe Wei, Mufei Li, Mohsen Ghassemi, Eleonora Kreačić, Yifan Li, Xiang Yue, Bo Li, Vamsi K. Potluru, Pan Li, Eli Chien, **Underestimated Privacy Risks for Minority Populations in Large Language Model Unlearning**, International Conference on Machine Learning (ICML), 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**, International Conference on Learning Representations (ICLR), 2025 (*Equal contribution); also selected for oral presentation at ICLR 2025 workshop on Foundation Models in the Wild.

- Mufei Li, Viraj Shitole, Eli Chien, Changhai Man, Zhaodong Wang, Srinivas Sridharan, Ying Zhang, Tushar Krishna, Pan Li, **LayerDAG: A Layerwise Autoregressive Diffusion Model for Directed Acyclic Graph Generation**, International Conference on Learning Representations (ICLR) Spotlight (top 5.1%), 2025; also selected for spotlight presentation at ICLR 2025 workshop on "Will Synthetic Data Finally Solve the Data Access Problem?".
- Mufei Li, Jinjing Zhou, Jiajing Hu, Wenxuan Fan, Yangkang Zhang, Yaxin Gu, George Karypis, **DGL-LifeSci: An Open-Source Toolkit for Deep Learning on Graphs in Life Science**, ACS Omega, 2021. 700 stars on GitHub.
- Minjie Wang, Da Zheng, Zihao Ye, Quan Gan, Mufei Li, Xiang Song, Jinjing Zhou, Chao Ma, Lingfan Yu, Yu Gai, Tianjun Xiao, Tong He, George Karypis, Jinyang Li, Zheng Zhang, **Deep Graph Library: A Graph-Centric, Highly-Performant Package for Graph Neural Networks**, arXiv, 2019. 14K stars on GitHub.

Honors and Awards

- Notable Reviewer for ICLR 2025
- Top Reviewer for NeurIPS 2024
- Georgia Tech ECE Fellowship

Peer Review Service

- Conference on Neural Information Processing Systems (NeurIPS), 2024 - 2025
- International Conference on Learning Representations (ICLR), 2025 - 2026
- International Conference on Machine Learning (ICML), 2025
- 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

Teaching Assistant

- ECE 6254 Statistical Machine Learning