

Liancheng Fang

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Education

Ph.D. in Computer Science

Department of Computer Science, University of Illinois Chicago

Advisor: Philip S. Yu

Chicago, IL

2023 - 2027 expected

M.S. in Biomedical Data Science

Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison

Madison, WI

2019 - 2021

M.A. in Mathematics

Department of Mathematics, University of Wisconsin-Madison

Madison, WI

2018 - 2019

B.S. in Mathematics and Applied Mathematics

Department of Mathematics, Sun Yat-sen University

Guangzhou, China

2014 - 2018

Professional Experience

Bosch Center for Artificial Intelligence

Research Intern

Research on Multimodal Large Language Models for visual understanding.

Sunnyvale, CA

Feb 2025 – Present

United Sensing Technology

Computer Vision Engineer - Autonomous Driving

Worked on 3D object detection, depth estimation, and sensor fusion for autonomous driving systems.

Farmington Hills, MI

2022 – 2023

Publications

1. **Liancheng Fang**, Aiwei Liu, Henry Peng Zou, Hengrui Zhang, Philip S. Yu. A Robust Invisible Watermark for Tabular Generative Models. *1st Workshop on GenAI Watermarking at ICLR 2025* [PDF]
2. **Liancheng Fang**, Aiwei Liu, Hengrui Zhang, Henry Peng Zou, Weizhi Zhang, Philip S. Yu. TabGen-ICL: Residual-Aware In-Context Example Selection for Tabular Data Generation. *3rd Table Representation Learning Workshop at NeurIPS, 2024, ACL ARR score: 3.5/3/3* [PDF] [Code]
3. Hengrui Zhang*, **Liancheng Fang***, Qitian Wu, Philip S. Yu. Diffusion-nested Auto-regressive Synthesis of Heterogeneous Tabular Data. *Arxiv Preprint, 2024* [PDF]
4. Aiwei Liu, Sheng Guan, Yiming Liu, Leyi Pan, Yifei Zhang, **Liancheng Fang**, Lijie Wen, Philip S. Yu, Xuming Hu. Can Watermarked LLMs be Identified by Users via Crafted Prompts? *ICLR 2025 [Spotlight] (International Conference on Learning Representations)* [PDF]
5. Hengrui Zhang, **Liancheng Fang**, Qitian Wu, Philip S. Yu. DiffPuter: An EM-Driven Diffusion Model for Missing Data Imputation. *ICLR 2025 [Spotlight] (International Conference on Learning Representations)* [PDF]
6. Henry Peng Zou, Vinay Samuel, Yue Zhou, Weizhi Zhang, **Liancheng Fang**, Zihe Song, Philip S. Yu, Cornelia Caragea. ImplicitAVE: An Open-Source Dataset and Multimodal LLMs Benchmark for Implicit Attribute Value Extraction. *ACL Findings 2024 (Association for Computational Linguistics)* [PDF]
7. Weizhi Zhang, Liangwei Yang, Zihe Song, Henry Peng Zou, Ke Xu, **Liancheng Fang**, Philip S. Yu. Do We Really Need Graph Convolution During Training? Light Post-Training Graph-ODE for Efficient Recommendation. *CIKM 2024 (ACM International Conference on Information and Knowledge Management)* [PDF]

Academic Service

Conference Reviewer: AAAI 2023, ICDM 2023, ICML 2024, AAAI 2024.