Liancheng Fang

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Education

Ph.D. in Computer Science **Chicago, IL**
Department of Computer Science, University of Illinois Chicago *2023 - 2027 exptected*
Advisor: Philip S. Yu

M.S. in Biomedical Data Science **Madison, WI**
Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison *2019 - 2021*

M.A. in Mathematics **Madison, WI**
Department of Mathematics, University of Wisconsin-Madison *2018 - 2019*

B.S. in Mathematics and Applied Mathematics **Guangzhou, China**
Department of Mathematics, Sun Yat-sen University *2014 - 2018*

Professional Experience

Bosch Center for Artificial Intelligence **Sunnyvale, CA**
Research Intern *Feb 2025 – Present*
Research on Multimodal Large Language Models for visual understanding.

United Sensing Technology **Farmington Hills, MI**
Computer Vision Engineer - Autonomous Driving *2022 – 2023*
Worked on 3D object detection, depth estimation, and sensor fusion for autonomous driving systems.

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* [PDF] [Code]

3. Hengrui Zhang*, **Liancheng Fang***, Qitian Wu, Philip S. Yu. Diffusion-nested Auto-regressive Synthesis of Heterogeneous Tabular Data. ICML 2025 (*International Conference on Machine Learning*) [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.