

# 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 grounding.

Sunnyvale, CA

Feb 2025 – May 2025

### 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

- Lingzhe Zhang\*, **Liancheng Fang\***, Chiming Duan\*, Minghua He\*, Leyi Pan\*, Pei Xiao, Shiyu Huang, Yunpeng Zhai, Xuming Hu, Philip S. Yu, Aiwei Liu. A Survey on Parallel Text Generation: From Parallel Decoding to Diffusion Language Models. *Arxiv 2025* [PDF]
- Liancheng Fang**, Aiwei Liu, Henry Peng Zou, Yankai Chen, Hengrui Zhang, Zhongfen Deng, Philip S. Yu. MUSE: Model-Agnostic Tabular Watermarking via Multi-Sample Selection. *Arxiv 2025* [PDF]
- 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. *ACL 2025 Findings (Association for Computational Linguistics)* [PDF] [Code]
- Hengrui Zhang\*, **Liancheng Fang\***, Qitian Wu, Philip S. Yu. TabNAT: A Continuous-Discrete Joint Generative Framework for Tabular Data. *ICML 2025 (International Conference on Machine Learning)* [PDF][Code]
- 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]
- Hengrui Zhang, **Liancheng Fang**, Qitian Wu, Philip S. Yu. DiffPuter: Empowering Diffusion Models for Missing Data Imputation. *ICLR 2025 [Spotlight] (International Conference on Learning Representations)* [PDF][Code]
- 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]

## Academic Service

Conference Reviewer: AAAI 2023, ICDM 2023, ICML 2024, AAAI 2024, NeurIPS 2025, AAAI2025