

Jiayao Zhang

CONTACT INFORMATION

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RESEARCH INTERESTS

Data Markets, Data Valuation

EDUCATION

2021-Present: Ph.D Candidate, Cyberspace Security, College of Computer Science and Technology, Zhejiang University, China

2017-2021: B.E., Software Engineering, College of Computer Science and Technology, Zhejiang University, China

PUBLICATIONS **Jiayao Zhang***, Chirong Zhang*, Jian Pei, Xuan Luo, Jianliang Xu, Jinfei Liu: Computing Shapley Values in Preference Queries, ICDE 2025

Yiding Zhu, Hongwei Zhang, **Jiayao Zhang**, Jinfei Liu, Kui Ren: DataPrice: An Interactive System for Pricing Datasets in Data Marketplaces. Proc. VLDB Endow. 17(12): 4433-4436 (2024)

Jiayao Zhang, Yuran Bi, Mengye Cheng, Jinfei Liu, Kui Ren, Qiheng Sun, Yihang Wu, Yang Cao, Raul Castro Fernandez, Haifeng Xu, Ruoxi Jia, Yongchan Kwon, Jian Pei, Jiachen T. Wang, Haocheng Xia, Li Xiong, Xiaohui Yu, James Zou: A Survey on Data Markets. CoRR abs/2411.07267 (2024)

Qiheng Sun, **Jiayao Zhang**, Jinfei Liu, Li Xiong, Jian Pei, Kui Ren: Shapley Value Approximation Based on Complementary Contribution. IEEE Trans. Knowl. Data Eng. 36(12): 9263-9281 (2024)

Jiayao Zhang, Qiheng Sun, Jinfei Liu, Li Xiong, Jian Pei, Kui Ren: Efficient Sampling Approaches to Shapley Value Approximation. Proc. ACM Manag. Data 1(1): 48:1-48:24 (2023)

Jiayao Zhang*, Haocheng Xia*, Qiheng Sun*, Jinfei Liu, Li Xiong, Jian Pei, Kui Ren: Dynamic Shapley Value Computation. ICDE 2023: 639-652

Qiheng Sun, Xiang Li, **Jiayao Zhang**, Li Xiong, Weiran Liu, Jinfei Liu, Zhan Qin, Kui Ren: ShapleyFL: Robust Federated Learning Based on Shapley Value. KDD 2023: 2096-2108

Qiongqiong Lin*, **Jiayao Zhang***, Jinfei Liu, Kui Ren, Jian Lou, Junxu Liu, Li Xiong, Jian Pei, Jimeng Sun: Demonstration of Dealer: An End-to-End Model Marketplace with Differential Privacy. Proc. VLDB Endow. 14(12): 2747-2750 (2021)

JOURNAL REVIEWER

- ACM Transactions on Knowledge Discovery from Data, 2025
- Information Systems, 2024
- Journal of systems architecture, 2024
- IEEE Transactions on Knowledge and Data Engineering, 2024
- IEEE Internet Computing, 2024

Dr. Jinfei Liu

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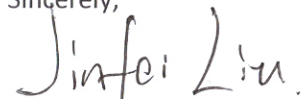
To the Chairs of the VLDB 2026 Shadow Program Committee,

I am pleased to support Jiayao Zhang in her application to join the VLDB 2026 Shadow Program Committee. As her Ph.D. advisor, I have closely guided and observed her research.

Jiayao Zhang has contributed to the data management community through publications in venues such as VLDB, SIGMOD, and ICDE, demonstrating strong analytical skills and a keen interest in advancing the field. I believe that participating in the Shadow Program Committee will provide her with valuable experience in the peer review process and further develop her ability to critically evaluate research.

I strongly support Jiayao Zhang for this opportunity and believe that she will be a dedicated and responsible member of the Shadow Program Committee.

Sincerely,

A handwritten signature in black ink, appearing to read "Jinfei Liu". The signature is fluid and cursive, with the first name "Jinfei" and the last name "Liu" clearly distinguishable.

Zhejiang University