Xiangfei Qiu

⌂ Homepage: https://qiu69.github.io/

✉ xfqiu@stu.ecnu.edu.cn · ☎ (+86) 17821242021 · **in** linkedin · **git**github

🎓 Education

East China Normal University (ECNU), Shanghai, China   Aug. 2023 – Present
Master student in School of Data Science and Engineering, advised by Prof. Jilin Hu

Hainan University (HNU), Haikou, China   Aug. 2019 – July 2023
B.S. in Software Engineering, GPA: 3.96/4.0, Rank: 1/198, advised by Prof. Qingchen Zhang

📈 Research Interests

My research interests cover **Time Series Analysis** and **Deep Learning**. I am currently working on foundation time series models, and time series benchmarking. In addition to pure research, I also dedicate myself to promoting research on valuable real-world applications. My research aims to contribute to the advancement of intelligent systems capable of handling massive and complicated temporal data across domains, including finance, industry, and environment.

📄 Selected Publications and Preprints

- *DUET: Dual Clustering Enhanced Multivariate Time Series Forecasting*   **SIGKDD 2025**

  Xiangfei Qiu, Xingjian Wu, Yan Lin, Chenjuan Guo, Jilin Hu#, Bin Yang

- *EasyTime: Time Series Forecasting Made Easy*   **ICDE 2025**

  Xiangfei Qiu*, Xiuwen Li*, Ruiyang Pang*, Zhicheng Pan*, Xingjian Wu*, Liu Yang*, Jilin Hu, Yang Shu, Xuesong Lu, Chengcheng Yang, Chenjuan Guo, Aoying Zhou, Christian S. Jensen, Bin Yang

- *CATCH: Channel-Aware Multivariate Time Series Anomaly Detection via Frequency*   **ICLR 2025**

  Patching

  Xingjian Wu, **Xiangfei Qiu**, Zhengyu Li, Yihang Wang, Jilin Hu, Chenjuan Guo, Hui Xiong, Bin Yang#

- *TFB: Towards Comprehensive and Fair Benchmarking of Time Series Forecasting Methods*   **VLDB 2024**

  Xiangfei Qiu, Jilin Hu#, Lekui Zhou, Xingjian Wu, Junyang Du, Buang Zhang, Chenjuan Guo, Aoying Zhou, Christian S. Jensen, Zhenli Sheng, Bin Yang   (Best Research Paper Award Nomination)

- *AutoCTS++: zero-shot joint neural architecture and hyperparameter search for correlated time series forecasting*   **VLDBJ 2024**

  Xinle Wu, Xingjian Wu, Bin Yang#, Lekui Zhou, Chenjuan Guo, **Xiangfei Qiu**, Jilin Hu, Zhenli Sheng Christian S. Jensen

- *A Comprehensive Survey of Deep Learning for Multivariate Time Series Forecasting:*   **arXiv 2025**

  A Channel Strategy Perspective

  Xiangfei Qiu, Hanyin Cheng, Xingjian Wu, Jilin Hu, Chenjuan Guo

- *FoundTS: Comprehensive and Unified Benchmarking of Foundation Models for Time Series*   **arXiv 2024**

  Forecasting

  Zhe Li, **Xiangfei Qiu**, Peng Chen, Yihang Wang, Hanyin Cheng, Yang Shu, Jilin Hu, Chenjuan Guo, Aoying Zhou, Qingsong Wen, Christian S. Jensen, Bin Yang

- *DiffImp: Efficient Diffusion Model for Probabilistic Time Series Imputation with Bidirectional Mamba Backbone* **arXiv 2024**

  Hongfan Gao, Wangmeng Shen, **Xiangfei Qiu**, Ronghui Xu, Jilin Hu#, Bin Yang

- *MultiRC: Joint Learning for Time Series Anomaly Prediction and Detection with Multi-scale Reconstructive Contrast* **arXiv 2024**

  Shiyan Hu, Kai Zhao, **Xiangfei Qiu**, Yang Shu, Jilin Hu, Bin Yang, Chenjuan Guo#

✿ APPLICATIONS AND PROJECTS

- *TFB: Time Series Forecasting Benchmark* **Maintainer**
- *OpenTS: A comprehensive and fair benchmarking of time series analytics* **Maintainer**
- *EasyTime: Time Series Forecasting Made Easy* **Maintainer**

♟ SERVICES AND EXPERIENCES

Conference PC member:
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), (Main & ADS Track) 2025.
- International Joint Conference on Artificial Intelligence (IJCAI), (Main & Survey Track) 2025.
- International Conference on Learning Representations (ICLR) 2025.
- External Reviewer, International Conference on Database Systems for Advanced Applications (DASFAA) 2025.
- External Reviewer, International Conference on Information and Knowledge Management (CIKM) 2024.

Teaching Experiences:
- Teaching Assistant, Introduction to Data Science, Fall 2024, Prof. Jilin Hu

♡ SELECTED AWARDS

- *National Scholarship * 3 times* **2021, 2022, 2024**
- *VLDB Best Research Paper Award Nomination (First author)* **2024**
- *GroupProgramming Ladder Tournament (Team leader, Third Prize in the National Competition)* **2022**
- *National College Student Information Security Contest (Third Prize in the National Competition)* **2021**