# 邱翔飞

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## 🎓 教育背景

**华东师范大学**, 上海                                                                    2023 – 至今
硕博连续生, 数据科学与工程学院, 师从 胡吉林 和 杨彬教授

**海南大学**, 海南, 海口                                                                  2019 – 2023
学士, 软件工程, 师从 张清辰教授, 连续四年专业排名第一

## 📈 研究兴趣

我的研究兴趣主要集中在**时间序列分析**和**深度学习**领域。目前，我的研究工作主要围绕时间序列基础模型和时间序列评测基准展开。除了纯学术研究之外，我也致力于推动具有实际应用价值的研究工作。我的研究目标是促进智能系统的发展，使其能够在金融、工业、环境等多个领域中高效处理海量且复杂的时间序列数据。

如需了解更多信息，您可以查看我的谷歌学术和个人主页。

## 📄 论文发表

截止目前我已录用或发表 **13** 篇 **CCF A/Core A\*** 论文，其中第一作者 **4** 篇, 共同第一作者 **3** 篇。一作论文获得 **CCF A** 类会议 **VLDB** 最佳研究论文奖提名。谷歌学术引用量为 **623，H** 指数为 **12**。

- *Rethinking Irregular Time Series Forecasting: A Simple yet Effective Baseline*                **AAAI 2026**

  Xvyuan Liu\*, **Xiangfei Qiu\***, Xingjian Wu\*, Zhengyu Li, Chenjuan Guo, Jilin Hu#, Bin Yang                (Oral)

- *An Encode-then-Decompose Approach to Unsupervised Time Series Anomaly Detection on Contaminated Training Data*                **ICDE 2026**

  Buang Zhang, Tung Kieu, **Xiangfei Qiu**, Chenjuan Guo, Jilin Hu, Aoying Zhou, Christian S. Jensen, Bin Yang#

- *DBLoss: Decomposition-based Loss Function for Time Series Forecasting*                **NeurIPS 2025**

  **Xiangfei Qiu**, Xingjian Wu, Hanyin Cheng, Xvyuan Liu, Chenjuan Guo, Jilin Hu#, Bin Yang

- *Enhancing Time Series Forecasting through Selective Representation Spaces: A Patch Perspective*                **NeurIPS 2025**

  Xingjian Wu, **Xiangfei Qiu**, Hanyin Cheng, Zhengyu Li, Jilin Hu, Chenjuan Guo, Bin Yang#                (Spotlight)

- *TAB: Unified Benchmarking of Time Series Anomaly Detection Methods*                **PVLDB 2025**

  **Xiangfei Qiu**, Zhe Li, Wanghui Qiu, Shiyan Hu, Lekui Zhou, Xingjian Wu, Zhengyu Li Chenjuan Guo, Aoying Zhou, Zhenli Sheng, Jilin Hu#, Christian S. Jensen, Bin Yang

- *K2VAE: A Koopman-Kalman Enhanced Variational AutoEncoder for Probabilistic Time Series Forecasting*                **ICML 2025**

  Xingjian Wu\*, **Xiangfei Qiu\***, Hongfan Gao, Jilin Hu, Chenjuan Guo, Bin Yang#                (Spotlight)

- *TSFM-Bench: Comprehensive and Unified Benchmarking of Foundation Models for Time Series Forecasting*                **KDD 2025**

  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#

- *SSD-TS: Exploring the potential of linear state space models for diffusion models in time series imputation* **KDD 2025**

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

- *DUET: Dual Clustering Enhanced Multivariate Time Series Forecasting* **KDD 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 Patching* **ICLR 2025**

  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 <span style="color:red">(Best Research Paper Award Nomination)</span>

- *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

- *DAG: A Dual Causal Network for Time Series Forecasting with Exogenous Variables* **arXiv 2025**

  **Xiangfei Qiu**, Yuhan Zhu, Zhengyu Li, Hanyin Cheng, Xingjian Wu, Chenjuan Guo, Bin Yang, Jilin Hu#

- *Multi-Scale Spatial-Temporal Hypergraph Network with Lead-Lag Structures for Stock Time Series Forecasting* **arXiv 2025**

  **Xiangfei Qiu**, Liu Yang, Hanyin Cheng, Xingjian Wu, Rongjia Wu, Zhigang Zhang, Ding Tu, Chenjuan Guo, Bin Yang, Christian S. Jensen, Jilin Hu#

- *ASTGI: Adaptive Spatio-Temporal Graph Interactions for Irregular Multivariate Time Series Forecasting* **arXiv 2025**

  Xvyuan Liu, **Xiangfei Qiu**, Hanyin Cheng, Xingjian Wu, Chenjuan Guo, Bin Yang, Jilin Hu#

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

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

- *Unlocking the Power of Mixture-of-Experts for Task-Aware Time Series Analytics* **arXiv 2025**

  Xingjian Wu, Zhengyu Li, Hanyin Cheng, **Xiangfei Qiu**, Jilin Hu, Chenjuan Guo, 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#

## ⚙ 项目 & 应用

- *TFB: Time Series Forecasting Benchmark*               **1.6k Stars, Project Leader**
- *OpenTS: A comprehensive and fair benchmarking of time series analytics*       **Project Leader**
- *EasyTime: Time Series Forecasting Made Easy*            **First Author**

## ☗ 学术服务

学术审稿:

- International World Wide Web Conference (WWW), (industry track) 2026.
- AAAI Conference on Artificial Intelligence (AAAI) 2026.
- European Conference on Artificial Intelligence (ECAI), (Main Track) 2025.
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), (Main & ADS & Benchmark Track) 2025, 2026.
- International Joint Conference on Artificial Intelligence (IJCAI), (Main & Survey Track) 2025.
- International Conference on Learning Representations (ICLR) 2025, 2026.
- External Reviewer, International Conference on Database Systems for Advanced Applications (DASFAA) 2025.
- External Reviewer, International Conference on Information and Knowledge Management (CIKM) 2024.

课程助教:

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

## ♡ 荣誉奖励

- *SIGKDD 2025 杰出程序委员会委员*           **2025**
- *CCF 优秀大学生学术秀*         **硕士组冠军**    **2025**
- *国家奖学金 * 4*         **2021, 2022, 2024, 2025**
- *VLDB 最佳研究论文奖提名*       **第一作者**    **2024**
- 团体程序设计天梯赛       **国家三等奖**    **2022**
- 中国信息安全大赛       **国家三等奖**    **2021**