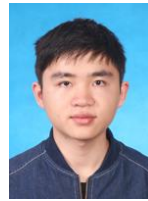


# 向声 个人简历



## 个人资料

姓名： 向声 出生年月： 1999 年 4 月  
联系方式： 13262941925 邮箱： sheng.xiang@uts.edu.au  
研究方向： 生成式图模型、图神经网络、金融风险防控、网络模拟与生成

## 教育经历

2021.08-今 悉尼科技大学 计算机科学与技术 博士 (预计 2025 年 3 月毕业)  
导师：张颖 教授，研究方向：图生成与模拟、大规模图计算与图学习。  
2016.09-2020.06 上海交通大学 生物信息学 本科

## 获奖经历

2023-2024 互联网与大数据联合国际会议 APWEB-WAIM 最佳学生论文奖 (全球仅 1 篇)  
2022-2023 沪港台上海银行金融科技创新未来首奖 (总冠军)  
2022-2023 中国留学基金委优秀自费留学生奖学金 (全校仅 5 位)  
2021-2022 世界人工智能大会青年优秀论文奖 (全球仅 10 篇)  
累计论文发表 17 篇 (CCF-A 类 9 篇, B 类 4 篇), 单篇论文最高他引 271 次, H-index 为 7。

## 以一作/通讯发表/录用论文 12 篇, 其中 CCF-A 类 7 篇, IEEE 汇刊 4 篇

- [1] **Sheng Xiang**, Guibin Zhang, Dawei Cheng, and Ying Zhang. Enhancing Attribute-driven Fraud Detection with Risk-aware Graph Representation. IEEE Transactions on Knowledge and Data Engineering. (IEEE TKDE 2025), CCF-A 类期刊, 学科权威期刊列表, IF=8.900.
- [2] Dawei Cheng, Yujia Ye, **Sheng Xiang\***, Zhenwei Ma, Ying Zhang and Changjun Jiang. Anti-Money Laundering by Group-Aware Deep Graph Learning. IEEE Transactions on Knowledge and Data Engineering. (IEEE TKDE 2023), CCF-A 类期刊, 学科权威期刊列表, IF=8.900, 通讯作者.
- [3] **Sheng Xiang**, Yidong Jiang, Yunting Chen, Dawei Cheng, Guoping Zhao, and Changjun Jiang. Generative Dynamic Graph Representation Learning for Conspiracy Spoofing Detection. Proceedings of the ACM Web Conference 2025. (WWW 2025), CCF-A 类会议已录用.
- [4] **Sheng Xiang**, Chenhao Xu, Dawei Cheng, Xiaoyang Wang and Ying Zhang. Efficient Learning-based Graph Simulation for Temporal Graphs. IEEE 41th International Conference on Data Engineering. (IEEE ICDE 2025), CCF-A 类会议已录用.
- [5] **Sheng Xiang**, Mingzhi Zhu, Dawei Cheng, Enxia Li, Ruihui Zhao, Yi Ouyang, Ling Chen and Yefeng Zheng. Semi-supervised Credit Card Fraud Detection via Attribute-driven Graph Representation. Proceedings of the 37th AAAI Conference on Artificial Intelligence. (AAAI 2023), CCF-A 类会议.
- [6] **Sheng Xiang**, Dawei Cheng, Jianfu Zhang, Zhenwei Ma, Xiaoyang Wang and Ying Zhang. Efficient Learning-based Community-Preserving Graph Generation. IEEE 38th International Conference on Data Engineering. (IEEE ICDE 2022), CCF-A 类会议.
- [7] **Sheng Xiang**, Dong Wen, Dawei Cheng, Ying Zhang, Lu Qin, Zhengping Qian and Xuemin Lin. General graph generators: experiments, analyses, and improvements. The VLDB Journal. (VLDBJ 2021), CCF-A 类期刊.
- [8] **Sheng Xiang**, Dawei Cheng, Chencheng Shang, Ying Zhang and Yuqi Liang. Temporal and Heterogeneous Graph Neural Network for Financial Time Series Prediction. Proceedings of the 31st ACM International Conference on Information and Knowledge Management. (CIKM 2022), CCF-B 类会议.
- [9] **Sheng Xiang**, Chenhao Xu, Dawei Cheng and Ying Zhang. Scalable Learning-based Community-Preserving Graph Generation. IEEE Transactions on Big Data. (IEEE TBD 2024), CCF-C 类期刊已录用, IF=7.500.
- [10] Yiwen Jiang, **Sheng Xiang\***, Yihan Dai and Dawei Cheng. Generative Artificial Intelligence Model for Multi-granularity Power Data Simulation. International Journal of Pattern Recognition and Artificial Intelligence. (IJPRAI 2024), CCF-C 类期刊已录用, 通讯作者.
- [11] Jiacheng Ma, **Sheng Xiang\***, Qiang Li, Liangyu Yuan, Dawei Cheng and Changjun Jiang. Parallel Graph Learning with Temporal Stamp Encoding for Fraudulent Transactions Detections. IEEE Transactions on Big Data. (IEEE TBD 2024), CCF-C 类期刊, IF=7.500, 通讯作者.
- [12] Enxia Li, Jin Ouyang, **Sheng Xiang\***, Lu Qin and Ling Chen. Relation-Aware Heterogeneous Graph Neural Network for Fraud Detection. Asia-Pacific Web and Web-Age Information Management (WAIM) Joint International Conference on Web and Big Data. (APWeb 2024), 通讯作者. 最佳学生论文奖

## 实习经历

2021 年, 实习: 中国银联, 开展基于图神经网络的金融反欺诈与反洗钱模型研究;  
2020 年, 实习: 瞰点私募基金, 开展基于关联关系增强学习的金融时间序列模型研究;

**发明专利**: 已申请 2 项: 1、一种可扩展的社区图模拟方法; 2、一种大规模动态图模拟方法。

**辅助教学**: 2023 年, 2024 年秋季学期, 担任悉尼科技大学研究生课程《社交与信息网络分析》助教; 2023 年春季学期, 担任新南威尔士大学研究生课程《数据库系统》助教。

# 向声 个人简历

## Selected Publication List

- [1] **Sheng Xiang**, Dong Wen, Dawei Cheng, Ying Zhang, Lu Qin, Zhengping Qian and Xuemin Lin. General graph generators: experiments, analyses, and improvements. The VLDB Journal. (**VLDBJ 2021**), **CCF-A** 类期刊, **SCI JCR** 二区, **IF=2.800**.
- [2] **Sheng Xiang**, Guibin Zhang, Dawei Cheng, and Ying Zhang. Enhancing Attribute-driven Fraud Detection with Risk-aware Graph Representation. IEEE Transactions on Knowledge and Data Engineering. (**IEEE TKDE 2024**), **CCF-A** 类期刊, 学科权威期刊列表, **IF=8.900**.
- [3] Dawei Cheng, Yujia Ye, **Sheng Xiang\***, Zhenwei Ma, Ying Zhang and Changjun Jiang. Anti-Money Laundering by Group-Aware Deep Graph Learning. IEEE Transactions on Knowledge and Data Engineering. (**IEEE TKDE 2023**), **CCF-A** 类期刊, 学科权威期刊列表, **IF=8.900**.
- [4] **Sheng Xiang**, Yidong Jiang, Yunting Chen, Dawei Cheng, Guoping Zhao, and Changjun Jiang. Generative Dynamic Graph Representation Learning for Conspiracy Spoofing Detection. Proceedings of the ACM Web Conference 2025. (**WWW 2025** 已接受), **CCF-A**.
- [5] **Sheng Xiang**, Mingzhi Zhu, Dawei Cheng, Enxia Li, Ruihui Zhao, Yi Ouyang, Ling Chen and Yefeng Zheng. Semi-supervised Credit Card Fraud Detection via Attribute-driven Graph Representation. Proceedings of the 37th AAAI Conference on Artificial Intelligence. (**AAAI 2023**), **CCF-A**.
- [6] **Sheng Xiang**, Dawei Cheng, Jianfu Zhang, Zhenwei Ma, Xiaoyang Wang and Ying Zhang. Efficient Learning-based Community-Preserving Graph Generation. IEEE 38th International Conference on Data Engineering. (**IEEE ICDE 2022**), **CCF-A**.
- [7] **Sheng Xiang**, Chenhao Xu, Dawei Cheng and Ying Zhang. Efficient Learning-based Graph Simulation for Temporal Graphs. IEEE 41th International Conference on Data Engineering. (**ICDE 2025**), **CCF-A**.
- [8] **Sheng Xiang**, Dawei Cheng, Chencheng Shang, Ying Zhang and Yuqi Liang. Temporal and Heterogeneous Graph Neural Network for Financial Time Series Prediction. Proceedings of the 31st ACM International Conference on Information and Knowledge Management. (**ACM CIKM 2022**), **CCF-B**.
- [9] **Sheng Xiang**, Chenhao Xu, Dawei Cheng and Ying Zhang. Scalable Learning-based Community-Preserving Graph Generation. IEEE Transactions on Big Data. (**IEEE TBD 2024**), **CCF-C**, **IF=7.500**.
- [10] Jiacheng Ma, **Sheng Xiang\***, Qiang Li, Liangyu Yuan, Dawei Cheng and Changjun Jiang. Parallel Graph Learning with Temporal Stamp Encoding for Fraudulent Transactions Detections. IEEE Transactions on Big Data. (**IEEE TBD 2024**), **CCF-C** 类期刊, **IF=7.500**.
- [11] Yiwen Jiang, **Sheng Xiang\***, Yihan Dai and Dawei Cheng. Generative Artificial Intelligence Model for Multi-granularity Power Data Simulation. International Journal of Pattern Recognition and Artificial Intelligence. (**JPRAI 2024**), **CCF-C** 类期刊.
- [12] Dawei Cheng, **Sheng Xiang**, Chencheng Shang, Yiyi Zhang, Fangzhou Yang and Liqing Zhang. Spatio-Temporal Attention-Based Neural Network for Credit Card Fraud Detection. Proceedings of the 34th AAAI Conference on Artificial Intelligence (**AAAI 2020**), **CCF-A**. 世界人工智能大会青年优秀论文奖.
- [13] Yao Zou, **Sheng Xiang**, Qijun Miao, Dawei Cheng and Changjun Jiang. Subgraph Patterns Enhanced Graph Neural Network for Fraud Detection. International Conference on Database Systems for Advanced Applications. (**DASFAA 2024**), **CCF-B**.
- [14] Dawei Cheng, Chen Chen, Xiaoyang Wang and **Sheng Xiang**. Efficient top-k vulnerable nodes detection in uncertain graphs. IEEE Transactions on Knowledge and Data Engineering. (**IEEE TKDE 2021**), **CCF-A** 类期刊, 学科权威期刊列表, **IF=8.900**.
- [15] Dawei Cheng, Fangzhou Yang, **Sheng Xiang** and Jin Liu. Financial time series forecasting with multi-modality graph neural network. Pattern Recognition. (**Pattern Recognition 2022**), **CCF-B** 类期刊, **SCI JCR** 一区 Top, **IF=7.500**.
- [16] Enxia Li, Jin Ouyang, **Sheng Xiang**, Lu Qin and Ling Chen. Relation-Aware Heterogeneous Graph Neural Network for Fraud Detection. Asia-Pacific Web (APWeb) and Web-Age Information Management (WAIM) Joint International Conference on Web and Big Data. (**APWeb 2024**), **CCF-C**. 最佳学生论文奖
- [17] Dawei Cheng, Yao Zou, **Sheng Xiang** and Changjun Jiang. Graph Neural Networks for Financial Fraud Detection: A Review. Frontiers of Computer Science. (**FCS 2024**), **CCF-B** 类期刊, **SCI JCR** 三区 Top, **IF=3.400**.
- [投稿 1] **Sheng Xiang**, Ziwen Xu, Dawei Cheng, Guoping Zhao, Xiaodong Ning and Ying Zhang. Conspiracy Spoofing Detection via Structure-Augmented Generative Graph Model. IEEE Transactions on Knowledge and Data Engineering. (已投稿 **TKDE 2025**), **CCF-A** 类期刊, 学科权威期刊列表, **IF=8.900**.