

XIAO LUO

xiaoluo@cs.ucla.edu, xiaoluopku@gmail.com, <http://luoxiao12.github.io>

EDUCATION AND RESEARCH EXPERIENCE

Department of Computer Science, UCLA

Oct 2022 - Now

Postdoctoral Researcher

Advisor: Prof. Yizhou Sun

Hong Kong University of Science and Technology (Guangzhou)

Sept 2022 - Oct 2022

Visiting Researcher

Advisor: Prof. Hui Xiong

School of Mathematical Sciences, Peking University

Sept 2017 - July 2022

Ph.D., Statistics

Advisor: Prof. Minghua Deng

Department of Mathematics, Nanjing University

Sept 2013 - July 2017

B.Sc., Statistics

Advisor: Prof. Wei Cheng

INTERNSHIP

DAMO Academy, Alibaba Group

Nov 2019 - Sept 2021

Research Intern

Visual Computing Group, Microsoft Research Asia

Sept 2021 - Mar 2022

Research Intern

RESEARCH INTERESTS

Machine Learning, ML/AI for Science, Statistical Modeling, Bioinformatics, Data Mining, AI

I develop algorithms based on machine learning (AI), statistical modeling and data mining to tackle interdisciplinary scientific problems in biology (bioinformatics), genomics, health, physics and information science, especially those related to non-iid data (graph-structured data and dynamical systems).

REFERENCE

Yizhou Sun (Associate Professor of Computer Science, UCLA), **Minghua Deng** (Professor of Mathematical Science, PKU), **Hongyu Zhao** (Ira V. Hiscock Professor of Biostatistics, Yale) and **Xiting Yan** (Associate Professor of Medicine, Yale)

PUBLICATIONS

underline: co-first authors.

1. **Xiao Luo**, Haixin Wang, Zijie Huang, Huiyu Jiang, Abhijeet Sadashiv Gangan, Song Jiang, Yizhou Sun, “CARE: Modeling Interacting Dynamics Under Temporal Environmental Variation”, In Annual Conference on Neural Information Processing Systems (NeurIPS), 2023. (**TOP** AI Conference)
2. **Xiao Luo**, Jingyang Yuan, Zijie Huang, Huiyu Jiang, Yifang Qin, Wei Ju, Ming Zhang and Yizhou Sun, “HOPE: High-order Graph ODE For Modeling Interacting Dynamics”, In International Conference on Machine Learning (ICML), 2023. (**TOP** AI Conference)
3. **Xiao Luo**, Xinming Tu, Yang Ding, Ge Gao and Minghua Deng, “Expectation Pooling: An Effective and Interpretable Pooling Method for Predicting DNA-protein Binding”, Bioinformatics, Volume 36, Issue 5, March 2020, Pages 1405–1412. (**IF=5.8**, JCR **Q1**)

4. **Xiao Luo**, Yusheng Zhao, Zhengyang Mao, Yifang Qin, Wei Ju, Ming Zhang and Yizhou Sun, “RIGNN: A Rationale Perspective for Semi-supervised Open-world Graph Classification”, Transactions on Machine Learning Research (TMLR), 2023. (**TOP** AI Journal)
5. **Xiao Luo**, Wei Ju, Meng Qu, Yiyang Gu, Chong Chen, Minghua Deng, Xian-Sheng Hua and Ming Zhang, “CLEAR: Cluster-enhanced Contrast for Self-supervised Graph Representation Learning”, IEEE Transactions on Neural Networks and Learning Systems (TNNLS), 2022. (**IF=10.4**, JCR **Q1**, **TOP** AI Journal)
6. **Xiao Luo**, Wei Ju, Yiyang Gu, Yifang Qin, Daqing Wu, Si-Yu Yi, Luchen Liu, and Ming Zhang, “Towards Effective Semi-supervised Node Classification with Hybrid Curriculum Pseudo-labeling”, ACM Transactions on Multimedia Computing Communications and Applications (TOMM), 2023. (**IF=5.1**, JCR **Q1**, **TOP** AI Journal)
7. **Xiao Luo**, Yusheng Zhao, Yifang Qin, Wei Ju and Ming Zhang, “Towards Semi-supervised Universal Graph Classification”, IEEE Transactions on Knowledge and Data Engineering (TKDE), 2023. (**IF=8.9**, JCR **Q1**, **TOP** AI Journal)
8. **Xiao Luo**, Daqing Wu, Zeyu Ma, Chong Chen, Minghua Deng, Jinwen Ma, Zhongming Jin, Jianqiang Huang and Xian-Sheng Hua, “CIMON: Towards High-quality Hash Codes”, In International Joint Conference on Artificial Intelligence (IJCAI), 2021. (Accept rate: 13.9%, **TOP** AI Conference)
9. **Xiao Luo**, Daqing Wu, Chong Chen, Minghua Deng, Jianqiang Huang and Xian-Sheng Hua, “A Statistical Approach to Mining Semantic Similarity for Deep Unsupervised Hashing”, In ACM International Conference on Multimedia (MM), 2021. (Accept rate: 27.6%, **TOP** AI Conference)
10. **Xiao Luo**, Wei Ju, Meng Qu, Chong Chen, Minghua Deng, Xian-Sheng Hua and Ming Zhang, “DualGraph: Improving Semi-supervised Graph Classification via Dual Contrastive Learning”, In IEEE International Conference on Data Engineering (ICDE), 2022. (**TOP** AI Conference)
11. **Xiao Luo**, Haixin Wang, Daqing Wu, Chong Chen, Minghua Deng, Jianqiang Huang and Xian-Sheng Hua, “A Survey on Deep Hashing Methods”, ACM Transactions on Knowledge Discovery from Data (TKDD), 2023. (**IF=3.6**, JCR **Q2**, **TOP** AI Journal)
12. **Xiao Luo**, Daqing Wu, Yiyang Gu, Chong Chen, Luchen Liu, Jinwen Ma, Ming Zhang, Minghua Deng, Jianqiang Huang and Xian-Sheng Hua, “Criterion-based Heterogeneous Collaborative Filtering for Multi-behavior Implicit Recommendation”, ACM Transactions on Knowledge Discovery from Data (TKDD), 2023. (**IF=3.6**, JCR **Q2**, **TOP** AI Journal)
13. **Xiao Luo**, Wei Ju, Yiyang Gu, Zhengyang Mao, Luchen Liu, Yuhui Yuan and Ming Zhang, “Self-supervised Graph-level Representation Learning with Adversarial Contrastive Learning”, ACM Transactions on Knowledge Discovery from Data (TKDD), 2023. (**IF=3.6**, JCR **Q2**, **TOP** AI Journal)
14. Zhonghui Gu, **Xiao Luo**, Jiaxiao Chen, Minghua Deng and Luhua Lai, “Hierarchical Graph Transformer with Contrastive Learning for Protein Function Prediction”, Bioinformatics, 2023. (**IF=5.8**, JCR **Q1**)
15. Wei Ju, **Xiao Luo**, Meng Qu, Yifan Wang, Chong Chen, Minghua Deng, Xian-Sheng Hua and Ming Zhang, “TGNN: A Joint Semi-supervised Framework for Graph-level Classification”, In International Joint Conference on Artificial Intelligence (IJCAI), 2022. (Accept rate: 15%, **TOP** AI Conference)
16. Yusheng Zhao, **Xiao Luo**, Wei Ju, Chong Chen, Xian-Sheng Hua and Ming Zhang, “Dynamic Hypergraph Structure Learning for Traffic Flow Forecasting”, In IEEE International Conference on Data Engineering (ICDE), 2023. (**TOP** AI Conference)
17. Ziyue Qiao, **Xiao Luo**, Meng Xiao, Hao Dong, Yuanchun Zhou and Hui Xiong, “Semi-supervised Domain Adaptation in Graph Transfer Learning”, In International Joint Conference on Artificial Intelligence (IJCAI), 2023. (Accept rate: 15%, **TOP** AI Conference)

18. Daqing Wu, **Xiao Luo**, Zeyu Ma, Chong Chen, Pengfei Wang, Minghua Deng and Jinwen Ma, "Composition-Enhanced Graph Collaborative Filtering for Multi-behavior Recommendation", In IEEE International Conference on Data Mining (ICDM), 2021. (Accept rate: 20%)
19. Nan Yin, Li Shen, Mengzhu Wang, Long Lan, Zeyu Ma, Chong Chen, Xian-Sheng Hua and **Xiao Luo**, "CoCo: A Coupled Contrastive Framework for Unsupervised Domain Adaptive Graph Classification", In International Conference on Machine Learning (ICML), 2023. (**TOP** AI Conference)
20. Nan Yin, Mengzhu Wang, Zhenghan Chen, Li Shen, Huan Xiong, Bin Gu and **Xiao Luo**, "DREAM: Dual Structured Exploration with Mixup for Open-set Graph Domain Adaption", In International Conference on Learning Representations (ICLR), 2024. (**TOP** AI Conference)
21. Nan Yin, Li Shen, Baopu Li, Mengzhu Wang, **Xiao Luo**, Chong Chen, Zhigang Luo and Xian-Sheng Hua, "DEAL: An Unsupervised Domain Adaptive Framework for Graph-level Classification", In ACM International Conference on Multimedia (MM), 2022. (Accept rate: 27.6%, **TOP** AI Conference)
22. Nan Yin, Fuli Feng, Zhigang Luo, Xiang Zhang, Wenjie Wang, **Xiao Luo**, Chong Chen and Xian-Sheng Hua, "Dynamic Hypergraph Convolutional Network", In IEEE International Conference on Data Engineering (ICDE), 2022. (**TOP** AI Conference)
23. Nan Yin, Shen Li, Mengzhu Wang, **Xiao Luo**, Zhigang Luo, and Dacheng Tao, "OMG: Towards Effective Graph Classification Against Label Noise", IEEE Transactions on Knowledge and Data Engineering (TKDE), 2023. (**IF=8.9**, JCR **Q1**, **TOP** AI Journal)
24. Nan Yin, Li Shen, Huan Xiong, Bin Gu, Chong Chen, Xian-Sheng Hua, Siwei Liu and **Xiao Luo**, "Messages Are Never Propagated Alone: Collaborative Hypergraph Neural Network for Time-series Forecasting", IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2023. (**IF=23.6**, JCR **Q1**, **TOP** AI Journal)
25. Fan Zhang, Xian-Sheng Hua, Chong Chen, and **Xiao Luo**, "Fine-grained Prototypical Voting with Heterogeneous Mixup for Semi-supervised 2D-3D Cross-modal Retrieval", In IEEE / CVF Computer Vision and Pattern Recognition Conference (CVPR), 2024. (**TOP** AI Conference)
26. Jinan Sun, Haixin Wang, **Xiao Luo**, Shikun Zhang, Wei Xiang, Chong Chen and Xian-Sheng Hua, "HEART: Towards Effective Hash Codes Against Label Noise", In ACM International Conference on Multimedia (MM), 2022. (Accept rate: 27.6%, **TOP** AI Conference)
27. Haixin Wang, Jinan Sun, **Xiao Luo**, Shikun Zhang, Wei Xiang, Chong Chen and Xian-Sheng Hua, "Towards Effective Domain Adaptive Retrieval", IEEE Transactions on Image Processing (TIP), 2023. (**IF=10.6**, JCR **Q1**, **TOP** AI Journal)
28. Haixin Wang, Jinan Sun, Wei Xiang, Shikun Zhang, Chong Chen, Xian-Sheng Hua and **Xiao Luo**, "DANCE: Learning A Domain Adaptive Framework for Deep Hashing", In The Web Conference, 2023. (Accept rate: 19.6%, **TOP** AI Conference)
29. Haixin Wang, Huiyu Jiang, Jinan Sun, Shikun Zhang, Chong Chen, Xian-Sheng Hua and **Xiao Luo**, "DIOR: Learning to Hash with Label Noise via Dual Partition and Contrastive Learning", IEEE Transactions on Knowledge and Data Engineering (TKDE), 2023. (**IF=8.9**, JCR **Q1**, **TOP** AI Journal)
30. Haixin Wang, Hao Wu, Jinan Sun, Shikun Zhang, Chong Chen, Xian-Sheng Hua and **Xiao Luo**, "IDEA: An Invariant Perspective for Efficient Domain Adaptive Image Retrieval", In Annual Conference on Neural Information Processing Systems (NeurIPS), 2023. (Accept rate 26.1%, **TOP** AI Conference)
31. Xinlong Yang, Haixin Wang, Jinan Sun, Shikun Zhang, Chong Chen, Xian-Sheng Hua and **Xiao Luo**, "Prototypical Mixup and Retrieval-based Refinement for Label Noise-resistant Image Retrieval", In International Conference on Computer Vision (ICCV), 2023. (**TOP** AI Conference)

32. Zeyu Ma, **Xiao Luo**, Yingjie Chen, Mimiao Luo, Jinxing Li, Minghua Deng and Guangming Lu, “Improved Deep Unsupervised Hashing with Fine-grained Semantic Similarity Mining for Multi-Label Image Retrieval”, In International Joint Conference on Artificial Intelligence (IJCAI), 2022. (Accept rate: 15%, **TOP AI Conference**)
33. Zeyu Ma, Siwei Wang, **Xiao Luo**, Jinxing Li, Chong Chen, Xian-Sheng Hua and Guangming Lu, “HARR: Learning Discriminative and High-quality Hash Codes for Image Retrieval”, ACM Transactions on Multimedia Computing Communications and Applications (TOMM), 2023. (**IF=5.1**, JCR **Q1**, **TOP AI Journal**)
34. Zeyu Ma, Wei Ju, **Xiao Luo**, Chong Chen, Xian-Sheng Hua and Guangming Lu, “Improved Deep Unsupervised Hashing via Prototypical Learning”, In ACM International Conference on Multimedia (MM), 2022. (Accept rate: 27.6%, **TOP AI Conference**)
35. Yifang Qin, Wei Ju, Hongjun Wu, **Xiao Luo**, Ming Zhang, “Learning Graph ODE for Continuous-Time Sequential Recommendation”. IEEE Transactions on Knowledge and Data Engineering (TKDE), 2023. (**IF=8.9**, JCR **Q1**, **TOP AI Journal**)
36. Wei Ju, Yiyang Gu, Binqi Chen, Gongbo Sun, Yifang Qin, Xingyuming Liu, **Xiao Luo**, Ming Zhang, “GLCC: A General Framework for Graph-level Clustering”, In AAAI Conference on Artificial Intelligence (AAAI), 2023. (Accept rate: 19.6%, **TOP AI Conference**)
37. Wei Ju, Yifang Qin, Siyu Yi, Zhengyang Mao, Kangjie Zheng, Luchen Liu, **Xiao Luo**, Ming Zhang, “Zero-shot Node Classification with Graph Contrastive Embedding Network”, Transactions on Machine Learning Research (TMLR), 2023. (**TOP AI Journal**)
38. Zhengyang Mao, Wei Ju, Yifang Qin, **Xiao Luo**, Ming Zhang, “RAHNet: Retrieval Augmented Hybrid Network for Long-tailed Graph Classification”, In ACM International Conference on Multimedia (MM), 2023. (Accept rate: 29.1%, **TOP AI Conference**)
39. Wei Ju, Yifang Qin, Ziyue Qiao, **Xiao Luo**, Yifan Wang, Yanjie Fu and Ming Zhang, “Kernel-based Substructure Exploration for Next POI Recommendation”, In IEEE International Conference on Data Mining (ICDM), 2022. (**Best Paper Candidate**, Accept rate: 9.7%)
40. Weicong Liang, Yuhui Yuan, Weihong Lin, **Xiao Luo**, Henghui Ding, Ding Jia, Zheng Zhang, Chao Zhang and Han Hu, “Expediting Vision Transformer for Dense Prediction without Fine-tuning”, In Annual Conference on Neural Information Processing Systems (NeurIPS), 2022. (Accept rate: 25.6%, **TOP AI Conference**)
41. Haixin Wang, Xinlong Yang, Jianlong Chang, Dian Jin, Jinan Sun, Shikun Zhang, **Xiao Luo**, Qi Tian, “Parameter-efficient Tuning of Large-scale Multimodal Foundation Model”, In Annual Conference on Neural Information Processing Systems (NeurIPS), 2023. (Accept rate 26.1%, **TOP AI Conference**)
42. Haixin Wang, Jianlong Chang, Yihang Zhai, **Xiao Luo**, Jinan Sun, Zhouchen Lin, and Qi Tian, “LION: Implicit Vision Prompt Tuning”, In AAAI Conference on Artificial Intelligence (AAAI), 2024. (Accept rate 23.75%, **TOP AI Conference**)
43. Song Jiang, Zijie Huang, **Xiao Luo** and Yizhou Sun, “CF-GODE: Continuous-Time Causal Inference for Multi-Agent Dynamical Systems”, In ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2023. (**TOP AI Conference**)
44. Weikai Li, Zhiping Xiao, Xiao Luo and Yizhou Sun. “Evaluating Task-Specific Node Influence via Node-Removal-Based Fast Graph Neural Network Inference. In The Web Conference (TheWebConf), 2024. (Accept rate 20.2%, **TOP AI Conference**)
45. Jingyang Yuan, **Xiao Luo**, Yifang Qin, Zhengyang Mao, Wei Ju and Ming Zhang, “ALEX: Towards Effective Graph Transfer Learning with Noisy Labels”, In ACM International Conference on Multimedia (MM), 2023. (Accept rate: 29.1%, **TOP AI Conference**)

46. Yingjie Chen, Chong Chen, **Xiao Luo**, Jianqiang Huang, Xian-Sheng Hua, Tao Wang and Yun Liang, “Pursuing Knowledge Consistency: Supervised Hierarchical Contrastive Learning for Facial Action Unit Recognition”, In ACM International Conference on Multimedia (MM), 2022. (Accept rate: 27.6%, **TOP AI Conference**)
47. Yifang Qin, Hongjun Wu, Wei Ju, **Xiao Luo**, Ming Zhang, “A Diffusion model for POI recommendation”, ACM Transactions on Information Systems (TOIS), 2023. (**IF=5.6**, JCR **Q2**, **TOP AI Journal**)
48. Si-Yu Yi, Zhengyang Mao, Wei Ju, Yong-Dao Zhou, Luchen Liu, **Xiao Luo**, and Ming Zhang, “Towards Long-Tailed Recognition for Graph Classification via Collaborative Experts”, IEEE Transactions on Big Data (TBD), 2023. (**IF=7.2**, JCR **Q1**, **TOP AI Journal**)
49. Si-Yu Yi, Wei Ju, Yifang Qin, Luchen Liu, **Xiao Luo**, Yong-Dao Zhou, Ming Zhang, “Redundancy-Free Self-Supervised Relational Learning for Graph Clustering”, IEEE Transactions on Neural Networks and Learning Systems (TNNLS), 2023. (**IF=10.4**, JCR **Q1**, **TOP AI Journal**)
50. Wei Ju, Yiyang Gu, Zhengyang Mao, Ziyue Qiao, Yifang Qin, **Xiao Luo**, Hui Xiong, and Ming Zhang, “GPS: Graph Contrastive Learning via Multi-scale Augmented Views from Adversarial Pooling”, Science China Information Sciences (SCIS), 2023. (**IF=8.8**, JCR **Q1**)
51. Zeyu Ma, Yuhang Guo, **Xiao Luo**, Chong Chen, Minghua Deng, Wei Cheng and Guangming Lu, “DHWP: Learning High-quality Short Hash Codes via Weight Pruning”, In IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2022.
52. Mengzhu Wang, Shan An, **Xiao Luo**, Xiong Peng, Wei Yu, Junyang Chen and Zhigang Luo, “Attention-based Adversarial Partial Domain Adaptation”, In IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2022.
53. Jingyang Yuan, **Xiao Luo**, Yifang Qin, Yusheng Zhao, Wei Ju and Ming Zhang, “Learning on Graphs under Label Noise”, In IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2023.
54. Wei Ju, **Xiao Luo**, Zeyu Ma, Junwei Yang, Minghua Deng and Ming Zhang, “GHNN: Graph Harmonic Neural Networks for Semi-supervised Graph-level Classification”, Neural Networks, 2022. (**IF=7.8**, JCR **Q1**)
55. Wei Ju, Yiyang Gu, **Xiao Luo**, Yifan Wang, Haochen Yuan, Huasong Zhong and Ming Zhang, “Unsupervised Graph-level Representation Learning with Hierarchical Contrasts”, Neural Networks, 2022. (**IF=7.8**, JCR **Q1**)
56. Wei Ju, Zequn Liu, Yifang Qin, Bin Feng, Chen Wang, Zhihui Guo, **Xiao Luo**, and Ming Zhang, “Few-shot Molecular Property Prediction via Hierarchically Structured Learning on Relation Graphs, Neural Networks, 2023. (**IF=7.8**, JCR **Q1**)
57. Wei Ju, Zheng Fang, Yiyang Gu, Zequn Liu, Qingqing Long, Ziyue Qiao, Yifang Qin, Jianhao Shen, Fang Sun, Zhiping Xiao, Junwei Yang, Jingyang Yuan, Yusheng Zhao, Yifan Wang, **Xiao Luo**, and Ming Zhang, “A Comprehensive Survey on Deep Graph Representation Learning”, Neural Networks, 2024. (**IF=7.8**, JCR **Q1**)
58. **Xiao Luo**, Weilai Chi and Minghua Deng, “Deeprune: Learning Efficient and Interpretable Convolutional Networks Through Weight Pruning for Predicting DNA-Protein Binding”. Frontiers in Genetics, Nov 2019. (**IF=3.7**, JCR **Q1**)
59. Yuhang Guo, **Xiao Luo**, Liang Chen and Minghua Deng, “DNA-GCN: Graph Convolutional Networks for Predicting DNA-protein Binding”, In International Conference on Intelligent Computing (ICIC), 2021. (Accept rate: 42%)
60. Weinan Wang, Yuhang Guo, Wei Ju, **Xiao Luo** and Minghua Deng, “An Interpretation of Convolutional Neural Networks for Motif Finding from the View of Probability”, In IEEE International

Conference on Tools with Artificial Intelligence (ICTAI), 2021. (Accept rate: 20%)

61. **Xiao Luo**, Yuhang Guo, Zeyu Ma, Huasong Zhong, Tao Li, Wei Ju, Chong Chen and Minghua Deng, “Deep Supervised Hashing By Classification For Image Retrieval”, In International Conference on Neural Information Processing (ICONIP), 2021.
62. Daqing Wu, **Xiao Luo**, Xiangyang Guo, Chong Chen, Minghua Deng and Jinwen Ma, “Concordant Contrastive Learning for Semi-supervised Node Classification on Graph”, In International Conference on Neural Information Processing (ICONIP), 2021.
63. **Xiao Luo**, Zeyu Ma, Wei Cheng and Minghua Deng, “Improve Deep Unsupervised Hashing via Structural and Intrinsic Similarity Learning”, IEEE Singal Processing Letters, 2021. (IF=3.9, JCR Q2)
64. **Xiao Luo**, Zeyu Ma, Daqing Wu, Huasong Zhong, Chong Chen, Jinwen Ma and Minghua Deng, “Deep Unsupervised Hashing by Distilled Smooth Guidance”, In IEEE International Conference on Multimedia and Expo (ICME Oral), 2021. (Accept rate: 15%)
65. **Xiao Luo**, Daqing Wu, Chong Chen, Jinwen Ma and Minghua Deng, “Deep Unsupervised Hashing by Global and Local Consistency”, In IEEE International Conference on Multimedia and Expo (ICME), 2021. (Accept rate: 30%)
66. Daqing Wu, **Xiao Luo**, Zeyu Ma, Chong Chen, Minghua Deng and Jinwen Ma, “ARGO: Modeling Heterogeneity in E-commerce Recommendation”, In International Joint Conference on Neural Networks (IJCNN), 2021. (Accept rate: 59.3%)
67. Tao Li, **Xiao Luo** and Jinwen Ma, “Average Mean Functions Based EM Algorithm for Mixtures of Gaussian Processes”, In International Conference on Neural Information Processing (ICONIP), 2021.
68. Daqing Wu, Xiangyang Guo, **Xiao Luo**, Ziyue Qiao and Jinwen Ma, “Adaptive Harmony Learning and Optimization for Attributed Graph Clustering”, In International Joint Conference on Neural Networks (IJCNN), 2022.

Preprint and Workshop Papers:

69. Zijie Huang, Wanjia Zhao, Jingdong Gao, Ziniu Hu, **Xiao Luo**, Yadi Cao, Yuanzhou Chen, Yizhou Sun and Wei Wang, “TANGO: Time-reversal Latent GraphODE for Multi-Agent Dynamical Systems”, In NeurIPS 2023 Workshop DLDE. (Best Paper)
70. Yijia Xiao, Yiqiao Jin, Yushi Bai, Yue Wu, Xianjun Yang, **Xiao Luo**, Wenchao Yu, Xujiang Zhao, Yanchi Liu, Haifeng Chen, Wei Wang and Wei Cheng, “Large Language Models Can Be Good Privacy Protection Learners”, arXiv preprint arXiv:2310.02469, 2023.
71. Hao Wu, Wei Xiong, Fan Xu, **Xiao Luo**, Chong Chen, Xian-Sheng Hua and Haixin Wang, “Past-Net: Introducing Physical Inductive Biases for Spatio-temporal Video Prediction”, arXiv preprint arXiv:2305.11421, 2023.
72. **Xiao Luo**, Yiyang Gu, Huiyu Jiang, Jinsheng Huang, Wei Ju, Ming Zhang and Yizhou Sun, “Graph ODE with Factorized Prototypes for Modeling Complicated Interacting Dynamics”. arXiv preprint arXiv:2311.06554, 2023.
73. Tianyu Liu, Tianqi Chen, Wangjie Zheng, **Xiao Luo**, Hongyu Zhao, scELMo: Embeddings from Language Models are Good Learners for Single-cell Data Analysis. bioRxiv, 2023: 2023.12. 07.569910.
74. Hourun Li, Yusheng Zhao, Zhengyang Mao, Yifang Qin, Zhiping Xiao, Jiaqi Feng, Yiyang Gu, Wei Ju, **Xiao Luo**, Ming Zhang. “A Survey on Graph Neural Networks in Intelligent Transportation Systems”. arXiv preprint arXiv:2401.00713, 2024.

75. Hengchuang Yin, Zhonghui Gu, Fanhao Wang, Yiparemu Abuduhaibaier, Yanqiao Zhu, Xinming Tu, Xian-Sheng Hua, **Xiao Luo**, Yizhou Sun, “An Evaluation of Large Language Models in Bioinformatics Research”. arXiv preprint arXiv:2402.13714, 2024.

WORKING EXPERIENCE

Area Chair for **MM 2024**.

Associate Editor/Editorial Board Member for **PLOS ONE**, **BMC Bioinformatics** (**H5 index = 75**, **Rank #4** in the field of **Bioinformatics & Computational Biology**).

Conference PC Members/Reviewers for **ECCV 2022**, **CVPR 2023**, **KDD 2023**, **IJCAI 2023**, **SIGIR 2023**, **NeurIPS 2023**, **MM 2023**, **CIKM 2023**, **ICDM 2023**, **ACL ARR 2023**, **WSDM 2024**, **AAAI 2024**, **LOG 2024**, **ICLR 2024**, **DASFAA 2024**, **SDM 2024**, **TheWebConf 2024**, **ICASSP 2024**, **CVPR 2024**, **IJCAI 2024**, **ICML 2024**, **KDD 2024**, **ECCV 2024** and **RECOMB 2024**.

Journal Reviewers for **JAIR**, **Neural Networks**, **Information Fusion**, **Knowledge-Based Systems**, **TKDD**, **TKDE**, **TIP**, **TNNLS**, **TIFS**, **TCVST** and **TMLR**.

Teaching Assistant for **Probability and Statistics**, **Advanced Mathematics**, **Linear Algebra** and **Deep Learning** for **Bioinformatics**.

AWARDS AND SCHOLARSHIPS

China National Scholarship	<i>2016,2020</i>
Merit Student	<i>2018,2019,2020,2021</i>
President Scholarship, Peking University	<i>2019,2020,2021</i>
Exceptional Award for Academic Innovation	<i>2021</i>
Outstanding Graduates, Nanjing University	<i>2017</i>
Outstanding Graduates, Beijing	<i>2022</i>
ICDM 2022 Best Paper Candidate Award	<i>2022</i>
Institute for Digital Research and Education Postdoctoral Fellowship, UCLA	<i>2023</i>
NeurIPS 2023 Workshop DLDE, Best Paper Award	<i>2023</i>

MENTERSHIP

Haixin Wang	<i>2022-Now</i>
Master Student at Peking University	
First (Co-first) authors paper in NeurIPS ×2, ICCV , MM , TKDE , TIP , AAAI	
Nan Yin	<i>2022-Now</i>
Postdoc (Co-first) at MBZUAI	
First author papers in TPAMI , TKDE , MM , ICDE , ICML , ICLR	
Xinlong Yang	<i>2023-Now</i>
Master Student at Peking University	
First (Co-first) author papers in NeurIPS , ICCV	
Yiyang Gu	<i>2022-Now</i>
Ph.D. Student at Peking University	
First (Co-first) author papers in AAAI , Neural Networks , TKDD	
Yifang Qin	<i>2022-Now</i>
Ph.D. Student at Peking University	
First (Co-first) author papers in TOIS , ICDM	
Zhonghui Gu	<i>2022-Now</i>
Ph.D. Student at Peking University	
First (Co-first) author paper in Bioinformatics	
Hao Wu	<i>2023-Now</i>
Master at USTC	

First (Co-first) author paper in **NeurIPS**

Fan Zhang

2023-Now

Master at Georgia Tech Shenzhen

First author paper in **CVPR**

Yiwei Fu

2023-Now

Ph.D. Student at Peking University

Wanjia Zhao

2023-Now

Undergraduate student at Zhejiang University

First (Co-first) author paper in **NeurIPS DLDE Workshop**