

Developed a taxi navigation Android App and tested a newly developed bus system.

Publications

1. **Tianze Luo**, Yong Liu, Sinno Jialin Pan. “Collaborative Sequential Recommendations via Multi-view GNN-Transformers”. Accepted by ACM Transactions on Information Systems (ACM TOIS). (2024)
2. Zhanfeng Mo*, **Tianze Luo*** (co-first author), Sinno Jialin Pan. “Conditional Graph Generation with Graph Principal Flow Network”. Accepted by ACM Web Conference (WWW). (2024)
3. **Tianze Luo**, Zhanfeng Mo, Sinno Jialin Pan. “Learning Adaptive Multiresolution Transforms via Meta-Framelet-based Graph Convolutional Network”. Accepted by the International Conference on Learning Representations (ICLR). (2024)
4. Bosheng Ding, Chengwei Qin, Ruochen Zhao, **Tianze Luo**, Xinze Li, Guizhen Chen, Wenhan Xia, Junjie Hu, Anh Tuan Luu, Shafiq Joty. “Data Augmentation using LLMs: Data Perspectives, Learning Paradigms and Challenges”. arXiv preprint. (2024)
5. **Tianze Luo**, Zhanfeng Mo, Sinno Jialin Pan. “Fast Graph Generation via Spectral Diffusion”. Accepted by IEEE Transactions on Pattern Analysis and Machine Intelligence (IEEE TPAMI) (2023). <https://arxiv.org/abs/2211.08892>
6. **Tianze Luo**, Zhanfeng Mo, Sinno Jialin Pan. “Conditional Graph Generation with Graph Principal Flow Network”. International Conference on Machine Learning (ICML-23) Workshop on Structured Probabilistic Inference & Generative Modeling. (2023)
7. **Tianze Luo**, Qiu hao Zeng, Tianbo Li, Sinno Jialin Pan. “Meta-Contrast for Graph Representation Learning”. Major revision at IEEE Transactions on Pattern Analysis and Machine Intelligence (IEEE TPAMI). (2022)
8. Quanyu Long, **Tianze Luo**, Wenya Wang, Sinno Jialin Pan. “Domain Confused Contrastive Learning for Unsupervised Domain Adaptation”. Proceedings of the North American Chapter of the Association for Computational Linguistics (NAACL-22). (2022)
9. Qiu hao Zeng, **Tianze Luo**, Boyu Wang. “Domain-Augmented Domain Adaptation”. arXiv preprint. (2022)
10. **Tianze Luo**, Zichen Chen, Budhitama Subagdja, Ah-Hwee Tan. “Real-time Hierarchical Map Segmentation for Coordinating Multi-Robot Exploration”. IEEE Access 11 (2022): 15680-15692.
11. Hao, Qi, **Tianze Luo**, and Guangda Huzhang. “Re-ranking with constraints on diversified exposures for homepage recommender system.” arXiv preprint arXiv:2112.07621. (2021)
12. Tianbo Li*, **Tianze Luo*** (co-first author), Yiping Ke, Sinno Jialin Pan. “Mitigating Performance Saturation in Neural Marked Point Processes: Architectures and Loss Functions.” Proceedings of the 27th ACM SIGKDD Conference on Knowledge Discovery & Data Mining. (2021)
13. **Tianze Luo**, Budhitama Subagdja, Di Wang, Ah-Hwee Tan. “Multi-agent collaborative exploration through graph-based deep reinforcement learning.” 2019 IEEE International Conference on Agents (ICA-19). (2019)

Teaching Experiences

Singapore University of Social Sciences

Associate Lecturer

Mar 2023 - Present

CET175 Introduction to Generative AI

MKT365 Social Media Metrics & Analytics

NTU School of Computer Science and Engineering

Teaching Assistant

CZ3005 Artificial Intelligence

Jan 2022 - May 2022

SC1015 Introduction to Data Science & Artificial Intelligence

Jan 2022 - May 2022

CZ3005 Artificial Intelligence

Aug 2020 - Dec 2020

Honors & Awards

Best Paper Award “Multi-agent collaborative exploration through graph-based deep reinforcement learning.” 2019 IEEE International Conference on Agents (ICA-19). IEEE (2019)

Complete 2014–2015 and 2015-2016 NTU Undergraduate Research on Campus (URECA) with **distinction**.

Senior Middle Two (SM2) Scholarship (2012-2017), Singapore Ministry of Education.

Open Source Projects

PandaLLM (Large Language Model for Chinese) with more than **1,000** stars. <https://github.com/dandelionsllm/pandallm>

Released Base Models (Pretrain and SFT): Panda-7B, Panda-Instruct-7B, Panda-13B, Panda-Instruct-13B, Flan-LLaMA-7B, Panda-OpenLLaMA-7B

Released Models for Chat (SFT): Panda-LLaMA-13B-Chat, Panda-LLaMA2-13B-Chat (v2)

Released Models for Legal Services (Pretrain and SFT): Legal-Panda-13B-Chat

Released Models for Code Generation (Pretrain and SFT): Code-Panda-13B-Python

Released Models for Information Retrieval: Panda-Index-large-zh, Panda-Index-large-en

Technical report: Jiao, Fangkai*, Bosheng Ding*, **Tianze Luo***, and Zhanfeng Mo*. “Panda LLM: Training Data and Evaluation for Open-Sourced Chinese Instruction-Following Large Language Models.” arXiv preprint arXiv:2305.03025 (2023). <https://arxiv.org/abs/2305.03025>

Professional Services

Reviewer for Journals

IEEE Transactions on Automation Science and Engineering (T-ASE)

IEEE Transactions on Neural Networks and Learning Systems (TNNLS)

Reviewer for Conferences

International Joint Conference on Artificial Intelligence (IJCAI)

Association for the Advancement of Artificial Intelligence (AAAI)

International Conference on Machine Learning (ICML)

International Conference on Learning Representations (ICLR)

International World Wide Web Conference (WWW)