PENG JINGYU

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Education

USTC & City University of Hong Kong Hong Kong

Joint Ph.D. in Data Science September 2024 - June 2027

- **Supervisor:** Prof. Xiangyu Zhao & Prof. Qi Liu

University of Science and Technology of China Hefei, China

Master's degree in Computer Technology September 2022 - June 2025

- **Supervisor:** Prof. Qi Liu

Hefei University of Technology Hefei, China

Bachelor's degree in Computer Science September 2018 - June 2022

- **Supervisor:** Prof. Le Wu

Publications

- **Jingyu Peng**, Maolin Wang, Nan Wang, Xiangyu Zhao, Jiatong Li, Kai Zhang, Qi Liu, Logic Jailbreak: Efficiently Unlocking LLM Safety Restrictions Through Formal Logical Expression, preprint

- **Jingyu Peng**, Maolin Wang, Xiangyu Zhao, Kai Zhang, Wanyu Wang, Pengyue Jia, Qidong Liu, Ruocheng Guo, Qi Liu, Stepwise Reasoning Error Disruption Attack of LLMs, The 63rd Annual Meeting of the Association for Computational Linguistics (**ACL'25, CCF-A**).

- **Jingyu Peng**, Qi Liu, Linan Yue, Zaixi Zhang, Kai Zhang and Yunhao Sha, Towards Few-shot Self-explaining Graph Neural Networks, Joint European Conference on Machine Learning and Knowledge Discovery in Databases 2024 (**ECML-PKDD'24, CCF-B**).

- **Jingyu Peng**, Le Wu, Peijie Sun & Meng Wang, Meta-learned ID Embeddings for Online Inductive Recommendation, China Conference on Information Retrieval 2021 (**CCIR'21**).

- Zheng Gong, Guifeng Wang, Ying Sun, Qi Liu, Yuting Ning, Hui Xiong, **Jingyu Peng**, Beyond Homophily: Robust Graph Anomaly Detection via Neural Sparsification, The 32nd International Joint Conference on Artificial Intelligence (**IJCAI'23, CCF-A**)

Internship

Alibaba-Inc Hangzhou, China

Algorithm Engineer May 2024 - August 2024

- In the context of the Xianyu platform, to address the issue where items lack interaction data—making it difficult to learn ID-based embeddings—multimodal representations of items are introduced into the CTR prediction model for search ranking, resulting in an offline AUC improvement of 0.4‰.
- Perform dimensionality reduction on the high-dimensional image representations output by the pretrained CLIP model leveraging the recommendation task.
- Model the overall UI of the product interface in search results, along with user preferences for various UI elements, leading to an offline AUC improvement of 0.1‰.

Ant Group Co., Ltd., Beijing, China

Software Engineer June 2021 - August 2021

- Participated in Python development work of the distributed platform Ray, and added a hybrid code loading mechanism to automatically match the loading method according to the code.
- Participated in the development of the tensor-based large-scale data computing framework Mars and conducted efficiency testing on multiple machine learning frameworks integrating Mars on Ray.

Services

- PC Member: WWW 2025, ICANN 2025

- Journal Reviewer: Applied Intelligence

Awards

- **First Class Scholarship**, USTC

- **Outstanding Graduate**, HFUT

- **Bronze Medal**, China Collegiate Programming Contest (CCPC)

- **First Prize**, Anhui Province Programming Contest

- **Silver Medal**, Kaggle Optiver Trading at the Close

- **Silver Medal**, Kaggle U.S. Patent Phrase to Phrase Matching