

Curriculum Vitae

Gao Jingtong

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About Me

I'm currently a PhD student (2022-2026) of Data Science at the City University of Hong Kong (CityU) under the advisory of Prof. Xiangyu Zhao. Prior to CityU, I completed my MSc under the advisory of Prof. Danwei Wang at Nanyang Technological University (NTU) in 2022 and my BEng under the advisory of Prof. Shaopeng Dong at Beihang University (BUAA) in 2021.

Research Interest

Recommender Systems, Advertising, Large Language Models, Reinforcement Learning

Education

- ◆ **Ph.D., City University of Hong Kong, Hong Kong** 09/2022-Now
Major: Data Science (GPA: 3.52/4.3)
Supervisor: Prof. Xiangyu Zhao
- ◆ **M.SC., Nanyang Technological University, Singapore** 09/2021-06/2022
Major: Computer Control & Automation (GPA: 4.38/5.0)
Supervisor: Prof. Danwei Wang
- ◆ **B.Eng., Beihang University, Beijing, China** 09/2017-07/2021
Major: Automation (GPA: 3.678/4.0)
Supervisor: Prof. Shaopeng Dong

Experience

- ◆ **Algorithm Intern** 08/2024-Now
Fields: Recommender Systems, Bidding, Reinforcement Learning
Kuaishou
- ◆ **Algorithm Intern** 09/2022-06/2024
Fields: Recommender Systems
Huawei
- ◆ **M.SC. Graduation Project** 08/2021-06/2022
Fields: Robot System, Computer Vision, Calibration
Supervisor: Prof. Danwei Wang
- ◆ **Part-Time Job (Research Assistant)** 11/2021-06/2022
Fields: Robot System, Computer Vision
Supervisor: Prof. Danwei Wang
- ◆ **Graduation Project** 11/2020-07/2021
Fields: Deep Learning
Supervisor: Prof. Shaopeng Dong
- ◆ **Algorithm Intern** 06/2020-09/2020
Fields: Robot System, Computer Vision
China-Singapore International Joint Research Institute

Awards & Honors

◆ 1st Place at NeurIPS 2024 Bidding Competition (AIGB Track)	2024
◆ 2nd Place at KDD CUP 2024 Online Shopping Competition	2024
◆ 3 online launched systems at Huawei & Kuaishou	2024-2025
◆ Outstanding Academic Performance Award (OAPA-CityU)	2023&2024
◆ WWW'25, IJCAI'23 Student Travel Award	
◆ Research Tuition Scholarship (RTS-CityU)	2023
◆ Excellent Graduation Design of School of Automation	2021
◆ Beihang Academic Excellence Scholarship	2018

Skills

- ◆ **Programming language:** Python, MATLAB, C
- ◆ **Machine Learning Frameworks:** Pytorch, Transformers, Scikit-learn, veRL, etc.
- ◆ **LLMs:** Prompt Engineering, Fine-tuning, LLM with Reinforcement Learning (RLVR)
- ◆ **Other Frameworks:** ROS robot system, Carla
- ◆ **Language:** Chinese, English

Publications & Tutorials

Tutorials:

Joint Modeling in Deep Recommender Systems

Pengyue Jia, **Jingtong Gao**, Yuhao Wang, Xiaopeng Li, Qidong Liu, Yichao Wang, Bo Chen, Huifeng Guo, Ruiming Tang
IJCAI'23; WWW'25

Trustworthy Recommender Systems: Foundations and Frontiers

Wenqi Fan, Xiangyu Zhao, Lin Wang, Xiao Chen, **Jingtong Gao**, Qidong Liu, Shijie Wang
IJCAI'23; KDD'23; WWW23

Publications:

Generative Auto-Bidding with Value-Guided Explorations

Jingtong Gao, Yewen Li, Shuai Mao, Peng Jiang, Nan Jiang, Yejing Wang, Qingpeng Cai, Fei Pan, Peng Jiang, Kun Gai, Bo An, Xiangyu Zhao
SIGIR'25 (**1 online launched system at Kuaishou**)

SampleLLM: Optimizing Tabular Data Synthesis in Recommendations

Jingtong Gao, Zhaocheng Du, Xiaopeng Li, Xiangyu Zhao, Yichao Wang, Xiangyang Li, Huifeng Guo, Ruiming Tang
WWW'25 (**Oral Presentation, 1 online launched system at Huawei**)

LLM4Rerank: LLM-based Auto-Reranking Framework for Recommendations

Jingtong Gao, Bo Chen, Xiangyu Zhao, Weiwen Liu, Xiangyang Li, Yichao Wang, Wanyu Wang, Huifeng Guo, Ruiming Tang
WWW'25 (**Oral Presentation**)

GAS: Generative Auto-bidding with Post-training Search

Yewen Li, Shuai Mao, **Jingtong Gao**, Nan Jiang, Yujian Xu, Qingpeng Cai, Fei Pan, Peng Jiang, Bo An
WWW'25

GLINT-RU: Gated Lightweight Intelligent Recurrent Units for Sequential Recommender Systems

Sheng Zhang, Maolin Wang, Wanyu Wang, **Jingtong Gao**, Xiangyu Zhao, Yu Yang, Xuetao Wei, Zitao Liu, Tong Xu
KDD'25

Multimodal Recommender Systems: A Survey

Qidong Liu, Jiaxi Hu, Yutian Xiao, Xiangyu Zhao, **Jingtong Gao**, Wanyu Wang, Qing Li, Jiliang Tang
CSUR

Scenario-Aware Hierarchical Dynamic Network for Multi-Scenario Recommendation

Jingtong Gao, Bo Chen, Menghui Zhu, Xiangyu Zhao, Xiaopeng Li, Yuhao Wang, Yichao Wang, Huifeng Guo, Ruiming Tang
CIKM'24 **(1 online launched system at Huawei)**

SMLP4Rec: An Efficient all-MLP Architecture for Sequential Recommendations

Jingtong Gao, Xiangyu Zhao, Muyang Li, Minghao Zhao, Runze Wu, Ruocheng Guo, Yiding Liu, Dawei Yin
Transactions on Information Systems

AutoTransfer: Instance Transfer for Cross-Domain Recommendations

Jingtong Gao, Xiangyu Zhao, Bo Chen, Fan Yan, Huifeng Guo, Ruiming Tang
SIGIR'23

A Comprehensive Survey on Trustworthy Recommender Systems

Wenqi Fan, Xiangyu Zhao, Xiao Chen, Jingran Su, **Jingtong Gao**, Lin Wang, Qidong Liu, Yiqi Wang, Han Xu, Lei Chen, Qing Li
IJCAI'23 Tutorial; KDD'23 Tutorial; WWW23 Tutorial

LinRec: Linear Attention Mechanism for Long-term Sequential Recommender Systems

Langming Liu, Liu Cai, Chi Zhang, Xiangyu Zhao, **Jingtong Gao**, Wanyu Wang, Yifu Lv, Wenqi Fan, Yiqi Wang, Ming He, Zitao Liu, Qing Li
SIGIR'23

Multi-Task Recommendations with Reinforcement Learning

Ziru Liu, Jiejie Tian, Qingpeng Cai, Xiangyu Zhao, **Jingtong Gao**, Shuchang Liu, Dayou Chen, Tonghao He, Dong Zheng, Peng Jiang, Kun Gai
WWW'23

DRN-GAN: an integrated deep learning-based health degradation assessment model for naval propulsion system

Jingtong Gao, Shaopeng Dong, Jin Cui, Mei Yuan, Juanru Zhao
Engineering Computations