

# Curriculum Vitae

Gao Jingtong

Tel: +86 13659272723 E-mail: [jt.g@my.cityu.edu.hk](mailto:jt.g@my.cityu.edu.hk)

Website: <https://gaojingtong.github.io/> Expected graduation period: 2026 Fall

Linkedin: <https://www.linkedin.com/in/jingtong-gao-23449a2a0>

## 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

◆ <b>1<sup>st</sup> Place at NeurIPS 2024 Bidding Competition (AIGB Track)</b>	2024
◆ <b>2<sup>nd</sup> Place at KDD CUP 2024 Online Shopping Competition</b>	2024
◆ <b>3 online launched systems at Huawei &amp; Kuaishou</b>	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, Jiayi 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