

JINGYAO LI

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EDUCATION

The Chinese University of Hong Kong

Ph.D. in Computer Science

Hong Kong

Aug. 2022 - Oct. 2026

- I am part of the DVlab of Chinese University of Hong Kong lead by [Prof. Jiaya Jia](#).

Xi'an Jiaotong University

B.Eng. in Automation

Xi'an

Sept. 2018 - July 2022

- From Junior class and Qian Xuesen honor class.
- GPA: 93.3/100, ranking 1/25 in Qian Xuesen honor clas.

INTERNSHIP EXPERIENCE

Huawei Noah's Ark Lab

Research Intern

Hong Kong

Apr. 2024 - Nov. 2024

- I worked on the Query-as-Computation for Large Models project and first-authored the paper *QuickLLaMA: Query-aware Inference Acceleration for Large Language Models*. [\[Paper\]](#) [\[Code\]](#)

Alibaba Group's Tongyi Lab

Research Intern

Beijing

Dec. 2024 - Jul. 2025

- I participated in large-scale model pre-training project and first-authored the paper *End-to-End QA Construction Pipeline for Continual Pre-training of Large Language Models*.
- Our data and training solutions contributed to the Qwen3 model.
- I engaged in long-context evaluation for LLMs and first-authored the paper *DynamicBench: Evaluating Real-Time Report Generation in Large Language Models*.

PUBLICATIONS

- (CVPR2023) *Rethinking Out-of-Distribution Detection: Masked Image Modeling is All You Need*. Jingyao Li, Pengguang Chen, Shaozuo Yu, Zexin He, Shu Liu, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)
- (TPAMI2023) *BAL: Balancing Diversity and Novelty for Active Learning*. Jingyao Li, Pengguang Chen, Shaozuo Yu, Shu Liu, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#)
- (TPAMI2024) *MOODv2: Masked Image Modeling for Out-of-Distribution Detection*. Jingyao Li, Pengguang Chen, Shaozuo Yu, Shu Liu, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#)
- (TPAMI2024) *TagCLIP: Improving Discrimination Ability of Open-Vocabulary Semantic Segmentation*. Jingyao Li, Pengguang Chen, Shengju Qian, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#)
- (NeurIPS2024) *MR-BEN: A Comprehensive Meta-Reasoning Benchmark for Large Language Models*. Zhongshen Zeng, Yin-hong Liu, Yingjia Wan, Jingyao Li, Pengguang Chen, Jianbo Dai, Yuxuan Yao, Rongwu Xu, Zehan Qi, Wanru Zhao, Linling Shen, Jianqiao Lu, Haochen Tan, Yukang Chen, Hao Zhang, Zhan Shi, Bailin Wang, Zhijiang Guo, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#) [\[Project Page\]](#)
- (NeurIPS2024) *DAPE: Data-Adaptive Positional Encoding for Length Extrapolation*. Chuanyang Zheng, Yihang Gao, Han Shi, Minbin Huang, Jingyao Li, Jing Xiong, Xiaozhe Ren, Michael Ng, Xin Jiang, Zhenguo Li, Yu Li. [\[Paper\]](#) [\[Code\]](#) [\[Coverage\]](#)
- (COLING2025) *QuickLLaMA: Query-aware Inference Acceleration for Large Language Models*. Jingyao Li, Han Shi, Xin Jiang, Zhenguo Li, Hong Xu, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#)
- (CVPR2025) *Visionzip: Longer is better but not necessary in vision language models*. Senqiao Yang, Yukang Chen, Zhuotao Tian, Chengyao Wang, Jingyao Li, Bei Yu, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#)
- (CVPR2025) *DreamOmni: Unified Image Generation and Editing*. Bin Xia, Yuechen Zhang, Jingyao Li, Chengyao Wang, Yitong Wang, Xinglong Wu, Bei Yu, Jiaya Jia. [\[Paper\]](#)
- (ACL2025) *DAPE V2: Process Attention Score as Feature Map for Length Extrapolation*. Chuanyang Zheng, Yihang Gao, Han Shi, Jing Xiong, Jiankai Sun, Jingyao Li, Minbin Huang, Xiaozhe Ren, Michael Ng, Xin Jiang, Zhenguo Li, Yu Li. [\[Paper\]](#) [\[Code\]](#)
- (ICCV2025) *Lyra: An Efficient and Speech-Centric Framework for Omni-Cognition*. Zhisheng Zhong, Chengyao Wang, Yuqi Liu, Senqiao Yang, Longxiang Tang, Yuechen Zhang, Jingyao Li, Tianyuan Qu, Yanwei Li, Yukang Chen, Shaozuo Yu, Sitong Wu, Eric Lo, Shu Liu, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#) [\[Models\]](#) [\[Demo\]](#) [\[Project Page\]](#)
- (TPAMI2025) *VLPose: Bridging the Domain Gap in Pose Estimation with Language-Vision Tuning*. Jingyao Li, Pengguang Chen, Xuan Ju, Hong Xu, Jiaya Jia. [\[Paper\]](#) [\[Code\]](#)
- (EMNLP2025) *Logits-Based Finetuning*. Jingyao Li, Senqiao Yang, Sitong Wu, Han Shi, Chuanyang Zheng, Hong Xu, Jiaya Jia. [\[Paper\]](#) [\[Data\]](#) [\[Code\]](#) [\[Models\]](#)
- (NeurIPS2025) *DLoFT: Gradient-Decoupled Fine-Tuning for Generalizable Long Chain-of-Thought Reasoning*. Sitong Wu, Haoru Tan, Jingyao Li, Shaofeng Zhang, Xiaojuan Qi, Bei Yu, Jiaya Jia. [\[WebPage\]](#)
- (CVPR2026) *Unlocking Token Rewards via Training-Free Reward Attribution*. Sitong Wu, Haoru Tan, Bin Xia, Xichen Zhang, Jingyao Li, Shaofeng Zhang, Xiaojuan Qi, Bei Yu, Jiaya Jia. [\[Paper\]](#)

16. (CVPR2026) *DreamOmni2: Multimodal Instruction-based Editing and Generation*. Bin Xia, Bohao PENG, Yuechen Zhang, Junjia Huang, Jiyang Liu, **Jingyao Li**, Haoru Tan, Sitong Wu, Chengyao Wang, Yitong Wang, Xinglong Wu, Bei Yu, Jiaya Jia. [[Github](#)] [[Webpage](#)] [[Demo-edit](#)] [[Demo-gen](#)] [[Video Intro](#)]
17. (ICLR2026) *Understanding the Mixture-of-Expert with Nadaraya-Watson Kernel*. Chuanyang Zheng, Jiankai Sun, Yihang Gao, Enze Xie, Yuehao Wang, Peihao Wang, **Jingyao Li**, Jing Xiong, Kashif Rasul, Matthew Chang, Liliang Ren, Zhangyang Wang, Anderson Schneider, Yuriy Nevmyvaka, Roozbeh Mottaghi. [[Paper](#)]
18. *MoTCoder: Elevating Large Language Models with Modular of Thought for Challenging Programming Tasks*. **Jingyao Li**, Pengguang Chen, Jiaya Jia. [[Paper](#)] [[Model](#)] [[Code](#)] [[Coverage](#)]
19. *RoboCoder: Robotic Learning from Basic Skills to General Tasks with Large Language Models*. **Jingyao Li**, Pengguang Chen, Sitong Wu, Chuanyang Zheng, Hong Xu, Jiaya Jia. [[Paper](#)]
20. *End-to-End QA Construction Pipeline for Continual Pre-training of Large Language Models*. **Jingyao Li**, Zile Qiao, Xinyu Wang, Zhen Zhang, Yong Jiang, Pengjun Xie, Fei Huang, Hong Xu, Jiaya Jia.
21. *DynamicBench: Evaluating Real-Time Report Generation in Large Language Models*. **Jingyao Li**, Hao Sun, Zile Qiao, Yong Jiang, Pengjun Xie, Fei Huang, Hong Xu, Jiaya Jia. [[Paper](#)]
22. *Mixture-of-Scores: Robust Image-Text Data Quality Score via Three Lines of Code*. Sitong Wu, Haoru Tan, Yukang Chen, Shaofeng Zhang, **Jingyao Li**, Bei Yu, Xiaojuan Qi, Jiaya Jia.
23. *MGM-Omni: Scaling Omni LLMs to Personalized Long-Horizon Speech*. Chengyao Wang, Zhisheng Zhong, Bohao PENG, Senqiao Yang, Yuqi Liu, Haokun GUI, Bin Xia, **Jingyao Li**, Bei Yu, Jiaya Jia. [[Blog](#)] [[Paper](#)] [[Models](#)] [[Benchmark](#)] [[Demo](#)]
24. *Answer-Consistent Chain-of-thought Reinforcement Learning For Multi-modal Large Language Models*. Minbin Huang, Runhui Huang, Chuanyang Zheng, **Jingyao Li**, Guoxuan Chen, Han Shi, Hong Cheng. [[Paper](#)]
25. *IndustryGPT: A Large Language Model for Industrial Domain-Specific Question Answering*. Shaozuo Yu, Sitong Wu, Mingkang Zhu, Xichen Zhang, Yukang Chen, Zhongshen Zeng, **Jingyao Li**, Meng Chu, Pengguang Chen, Shu Liu, Hong Xu, Jiaya Jia. [[Paper](#)]
26. *Multi-Scale Group Relative Policy Optimization for Large Language Models*. Sitong Wu, Haoru Tan, Yukang Chen, Bin Xia, **Jingyao Li**, Haokun GUI, Xiaojuan Qi, Bei Yu, Jiaya Jia. [[Paper](#)]

AWARDS

- National Scholarship 2020
- First Prize of China Undergraduate Physics Tournament 2018
- Meritorious Winner of American Mathematical Contest in Modeling 2019
- Grand Prize of Northwest Undergraduate Physics Tournament 2018
- Best Positive Debater of Northwest Undergraduate Physics Tournament 2018
- First Prize of Shaanxi Undergraduate Physics Tournament 2019
- Second Prize of Xi'an Jiaotong University Challenge Cup 2019
- Excellent Minister of Xi'an Jiaotong University Youth Volunteers Association 2019
- Excellent Member of Qian Xuesen College 2018

PRACTICAL EXPERIENCE

- Suzhou Middle School Secretary of the Student Union 2016-2017
- Administrative Department member of Youth Volunteers Association 2017-2018
- Minister of the Secretariat of Youth Volunteers Association 2018-2019
- Vice President of Youth Volunteers Association 2019-2020

TEACHING

- (CENG2010) Digital Logic Design Laboratory 2023 Spring
- (CSCI3250) Computers and Society 2022 Fall