

Xidong WANG

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Ph.D. Candidate in Computer Science, The Chinese University of Hong Kong, Shenzhen

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[Homepage](#) / [Google Scholar \(2.0K+ citations\)](#) / [GitHub](#)

Education

The Chinese University of Hong Kong, Shenzhen

2023 – Present

Ph.D. Candidate in Computer Science

Advisor: [Prof. Benyou Wang](#)

Beijing Institute of Technology

2019 – 2023

B.Eng. in Computer Science and Technology

[Xuteli School](#) – Elite talent program; Beijing, China

Industry Experience

Ubiquant IQuest Research

Mar. 2026 – Present

Research Intern: Foundation Model Mid-training and Post-training

Beijing, China

Contributing to STEM reasoning and agent capabilities, including IQuest-Q1. [Blog](#) / [Model & code](#).

Ant Healthcare, Ant Group

May 2025 – Feb. 2026

Research Intern: Foundation Model Post-training

Hangzhou, China

Worked on knowledge injection and rubric-based RL for [Ant Afu](#)'s foundation model. The app reached [150M users](#) (Sep. 2026) and featured in [TIME's Best Inventions of 2026](#).

Shenzhen Research Institute of Big Data

Aug. 2022 – Aug. 2023

Research Intern: Medical Language Models

Shenzhen, China

Contributed to the early development of the [HuatuoGPT series](#).

Research Interests

My goal is to democratize progress toward AGI. I develop architectural and algorithmic methods that advance model capabilities while remaining efficient enough for researchers with modest resources to explore, contribute to, and build upon. ([LongLLaVA](#); T-Tuning and PPO+, forthcoming.)

My earlier work in medical AI was motivated by the same goal: using AI for social good and making its benefits more widely accessible through open-source datasets, benchmarks, and multilingual medical models. ([CMB](#), [LiveClin](#), [ClinAlign](#), [Apollo](#), [ApolloMoE](#), [Huatuo-26M](#), [Huatuo series](#).)

I am currently a research intern at [Ubiquant IQuest Research](#).

Publications

** indicates equal contribution.* Impact figures reflect previously reported milestones.

Featured Publications

1. Efficiently Democratizing Medical LLMs for 50 Languages via a Mixture of Language Family Experts

Guorui Zheng*, **Xidong Wang***, Juhao Liang, Nuo Chen, Yuping Zheng, Benyou Wang

[ICLR 2025 Paper](#)

[Apollo: r/LocalLLaMA](#) · [Apollo: r/MachineLearning](#)

2. LiveClin: A Live Clinical Benchmark without Leakage

Xidong Wang, Shuqi Guo, Yue Shen, Junying Chen, Jian Wang, Jinjie Gu, Ping Zhang, Lei Liu, Benyou Wang

[ICLR 2026 Paper](#)

3. **LongLLaVA: Scaling Multi-modal LLMs to 1000 Images Efficiently via a Hybrid Architecture**
Xidong Wang*, Dingjie Song*, Shunian Chen, Chen Zhang, Benyou Wang
[EMNLP 2025](#) [Paper](#)
[Synced \(JiQiZhiXin\) coverage](#)
4. **CMB: A Comprehensive Medical Benchmark in Chinese**
Xidong Wang*, Guiming Hardy Chen*, Dingjie Song*, Zhiyi Zhang, Zhihong Chen, Qingying Xiao, Feng Jiang, Jianquan Li, Xiang Wan, Benyou Wang, Haizhou Li
[NAACL 2024](#) [Participation from publicly listed companies](#) [Website](#) [Paper](#)
[Wedoctor](#) · [OpenMMLab](#) · [JianPeiGPT](#) · [SinoHealth](#)
5. **ClinAlign: Scaling Healthcare Alignment from Clinician Preference**
 Shiwei Lyu*, **Xidong Wang***, Lei Liu, Hao Zhu, Chaohe Zhang, Jian Wang, Jinjie Gu, Benyou Wang, Yue Shen
[ACL 2026](#) [Paper](#)
6. **Huatuo-26M, a Large-scale Chinese Medical QA Dataset**
Xidong Wang*, Shunian Chen*, Jianquan Li*, Yuxuan Zhu, Xiangbo Wu, Zhiyi Zhang, Xiaolong Xu, Jie Fu, Prayag Tiwari, Xiang Wan, Benyou Wang
[NAACL 2025](#) [Paper](#)

Other Publications

7. **Beyond ViT Tokens: Masked-Diffusion Pretrained Convolutional Pathology Foundation Model for Cell-Level Dense Prediction**
 Weiming Chen, Xitong Ling, Zhenyang Cai, **Xidong Wang**, Jiawen Li, Tian Guan, Benyou Wang, Yonghong He
[NeurIPS 2026](#) [Paper](#)
8. **Incentivizing Medical Vision Capabilities from Large-Scale Multimodal Pre-training**
 Junying Chen, Zhenyang Cai, Yunjin Yang, Kunyuan Cai, Rongsheng Wang, **Xidong Wang**, Geyang Yu, Xiangyi Feng, Benyou Wang
[NeurIPS 2026](#) [Oral presentation](#) [Website](#)
9. **UniReason-Med: A Shared Grounded Reasoning Interface for 2D-to-3D Transfer in Medical VQA**
 Mengzhuo Chen, Yan Shu, Chi Liu, Hongming Piao, **Xidong Wang**, Derek Li, Bryan Dai
[EMNLP 2026](#) [Paper](#)
10. **Hybrid Open-Ended Tri-Evolution Makes Better Deep Researcher**
 Hongming Piao, Chi Liu, Mengzhuo Chen, Yan Shu, **Xidong Wang**, Derek Li, Ying Wei, Bryan Dai
[EMNLP 2026](#) [Paper](#)
11. **Apollo: A Lightweight Multilingual Medical LLM towards Democratizing Medical AI to 6B People**
Xidong Wang*, Nuo Chen*, Junyin Chen*, Yan Hu, Yidong Wang, Xiangbo Wu, Anningzhe Gao, Xiang Wan, Haizhou Li, Benyou Wang
[Preprint 2024](#) [120K+ downloads on Hugging Face](#) [Paper](#)
12. **HuatuoGPT-II, One-stage Training for Medical Adaptation of LLMs**
 Junying Chen, **Xidong Wang**, Anningzhe Gao, Feng Jiang, Shunian Chen, Hongbo Zhang, Dingjie Song, Wenya Xie, Chuyi Kong, Jianquan Li, Xiang Wan, Haizhou Li, Benyou Wang
[COLM 2024](#) [Paper](#)
13. **HuatuoGPT-o1, Towards Medical Complex Reasoning with LLMs**
 Junying Chen, Zhenyang Cai, Ke Ji, **Xidong Wang**, Wanlong Liu, Rongsheng Wang, Jianye Hou, Benyou Wang
[ACL 2025](#) [Paper](#)
14. **HuatuoGPT-Vision, towards Injecting Medical Visual Knowledge into Multimodal LLMs at Scale**
 Junying Chen, Ruyi Ouyang, Anningzhe Gao, Shunian Chen, Guiming Hardy Chen, **Xidong Wang**, Ruifei Zhang, Zhenyang Cai, Ke Ji, Guangjun Yu, Xiang Wan, Benyou Wang
[EMNLP 2024](#) [824K+ downloads on Hugging Face](#) [Paper](#)
15. **CoD, towards an Interpretable Medical Agent using Chain of Diagnosis**
 Junying Chen, Chi Gui, Anningzhe Gao, Ke Ji, **Xidong Wang**, Xiang Wan, Benyou Wang
[ACL 2025](#) [Paper](#)

16. **ShareGPT-4o-Image: Aligning Multimodal Models with GPT-4o-Level Image Generation**
Junying Chen, Zhenyang Cai, Pengcheng Chen, Shunian Chen, Ke Ji, **Xidong Wang**, Yunjin Yang, Benyou Wang
[Preprint 2025](#) [Paper](#)
17. **XtraGPT: LLMs for Human-AI Collaboration on Controllable Academic Paper Revision**
Nuo Chen, Andre Lin HuiKai, Jiaying Wu, Junyi Hou, Zining Zhang, Qian Wang, **Xidong Wang**, Bingsheng He
[ACL 2026](#) [Paper](#)
18. **Roadmap towards Superhuman Speech Understanding using Large Language Models**
Fan Bu, Yuhao Zhang, **Xidong Wang**, Benyou Wang, Qun Liu, Haizhou Li
[Preprint 2024](#) [Paper](#)
19. **Do Phone-Use Agents Respect Your Privacy?**
Zhengyang Tang*, Ke Ji*, **Xidong Wang***, Zihan Ye*, Xinyuan Wang, Yiduo Guo, Ziniu Li, Chenxin Li, Jingyuan Hu, Shunian Chen, Tongxu Luo, Jiayi Bi, Zeyu Qin, Shaobo Wang, Xin Lai, Pengyuan Lyu, Junyi Li, Can Xu, Chengquan Zhang, Han Hu, Ming Yan, Benyou Wang
[Preprint 2026](#) [Paper](#)
20. **WaveMind: Towards a Conversational EEG Foundation Model Aligned to Textual and Visual Modalities**
Ziyi Zeng, Zhenyang Cai, Yixi Cai, **Xidong Wang**, Junying Chen, Rongsheng Wang, Yipeng Liu, Siqi Cai, Benyou Wang, Zhiguo Zhang, Haizhou Li
[Preprint 2025](#) [Paper](#)
21. **To What Extent Do Token-Level Representations from Pathology Foundation Models Improve Dense Prediction?**
Weiming Chen, Xitong Ling, **Xidong Wang**, Zhenyang Cai, Yijia Guo, Mingxi Fu, Ziyi Zeng, Minxi Ouyang, Jiawen Li, Yizhi Wang, Tian Guan, Benyou Wang, Yonghong He
[Preprint 2026](#) [Paper](#)
22. **Less is More: A Simple yet Effective Token Reduction Method for Efficient Multi-modal LLMs**
Dingjie Song, Wenjun Wang, Shunian Chen, **Xidong Wang**, Michael X. Guan, Benyou Wang
[COLING 2025](#) [Paper](#)
23. **MLLM-Bench: Evaluating Multi-modal LLMs using GPT-4V**
Wentao Ge, Shunian Chen, Guiming Hardy Chen, Nuo Chen, Junying Chen, Zhihong Chen, Wenya Xie, Shuo Yan, Chenghao Zhu, Ziyue Lin, Dingjie Song, **Xidong Wang**, Anningzhe Gao, Zhiyi Zhang, Jianquan Li, Xiang Wan, Benyou Wang
[NAACL 2025](#) [Paper](#)
24. **LLMs for Doctors: Leveraging Medical LLMs to Assist Doctors, Not Replace Them**
Wenya Xie, Qingying Xiao, Yu Zheng, **Xidong Wang**, Junying Chen, Ke Ji, Anningzhe Gao, Prayag Tiwari, Xiang Wan, Feng Jiang, Benyou Wang
[npj Health Systems 2025](#) [Paper](#)

Teaching

CSC6052: Natural Language Processing

Spring 2024 & 2025

Teaching Assistant, CUHK-Shenzhen. Instructor: [Prof. Benyou Wang](#).

CSC6203: Large Language Models

Fall 2023

Teaching Assistant, CUHK-Shenzhen. Instructor: [Prof. Benyou Wang](#).

Service, Mentoring and Talks

Reviewer: ICLR (2025–2027), ICML (2026), NeurIPS (2026), COLM (2025–2026), TMLR, and ACL Rolling Review.

Open source: Lead maintainer of [Awesome-AI4Med](#) (**2.9K+** [GitHub stars](#)).

Mentoring: Guorui Zheng (2024), MSE student at CUHK-Shenzhen; subsequently an Algorithm Engineer at ByteDance.

Invited talk: The Fin AI, December 2024. “Efficiently Democratizing Medical LLMs for 50 Languages via a Mixture of Language Family Experts.”