

XIANZHEN LUO

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EDUCATION

Harbin Institute of Technology

Ph.D. student in Code Intelligence

Supervisor: Prof. Wanxiang Che and Assoc. Prof. Qingfu Zhu

Harbin, China

Sep 2022 – Present

Harbin Engineering University

Bachelor in Computer Science

Harbin, China

Sep 2018 – Jun 2022

• **Honors:** National Scholarship, 2 x ICPC Regional Silver Medals, 2 x ICPC EC-Final Bronze Medals.

PUBLICATIONS

ACL2025 🏆 **Outstanding Paper** **Turning Trash into Treasure: Accelerating Inference of Large Language Models with Token Recycling**

Xianzhen Luo, Yixuan Wang, Qingfu Zhu, Zhiming Zhang, Xuanyu Zhang, Qing Yang, Dongliang Xu

ACL2025 **ChartCoder: Advancing Multimodal Large Language Model for Chart-to-Code Generation**

Xuanle Zhao*, **Xianzhen Luo***, Qi Shi, Chi Chen, Shuo Wang, Wanxiang Che, Zhiyuan Liu, Maosong Sun

ACL2025 🗣️ **Oral** **OpenCoder: The Open Cookbook for Top-Tier Code Large Language Models**

Siming Huang, Tianhao Cheng, Jason Klein Liu, Weidi Xu, JIARAN HAO, Liuyihan Song, Yang Xu, Jian Yang, Jiaheng Liu, Chenchen Zhang, Linzheng Chai, Ruifeng Yuan, **Xianzhen Luo**, Qiufeng Wang, YuanTao Fan, Qingfu Zhu, Zhaoxiang Zhang, Yang Gao, Jie Fu, Qian Liu, Houyi Li, Ge Zhang, Yuan Qi, Xu Yinghui, Wei Chu, Zili Wang.

ACL2025 (Findings) **ChartEdit: How Far Are MLLMs From Automating Chart Analysis? Evaluating MLLMs' Capability via Chart Editing**

Xuanle Zhao*, Xuexin Liu*, Yang Haoyue*, **Xianzhen Luo**, Fanhu Zeng, Jianling Li, Qi Shi, Chi Chen

KDD 2025 **Advancing Tool-Augmented Large Language Models via Meta-Verification and Reflection Learning**

Zhiyuan Ma, Jiayu Liu, **Xianzhen Luo**, Zhenya Huang, Qingfu Zhu, Wanxiang Che

EMNLP 2024 **Python is Not Always the Best Choice: Embracing Multilingual Program of Thoughts**

Xianzhen Luo, Qingfu Zhu, Zhiming Zhang, Libo Qin, Xuanyu Zhang, Qing Yang, Dongliang Xu, Wanxiang Che

EMNLP 2024 **Make Some Noise: Unlocking Language Model Parallel Inference Capability through Noisy Training**

Yixuan Wang*, **Xianzhen Luo***, Fuxuan Wei, Yijun Liu, Qingfu Zhu, Xuanyu Zhang, Qing Yang, Dongliang Xu, Wanxiang Che

COLING 2024 **A Survey on Natural Language Processing for Programming**

Qingfu Zhu, **Xianzhen Luo**, Fang Liu, Cuiyun Gao, Wanxiang Che

Arxiv **Success is in the Details: Evaluate and Enhance Details Sensitivity of Code LLMs through Counterfactuals**

Xianzhen Luo, Qingfu Zhu, Zhiming Zhang, Mingzheng Xu, Tianhao Cheng, Yixuan Wang, Zheng Chu, Shijie Xuyang, Zhiyuan Ma, YuanTao Fan, Wanxiang Che.

Arxiv **Is Compression Really Linear with Code Intelligence?**

Shijie Xuyang*, **Xianzhen Luo***, Tianhao Cheng, Zheng Chu, Houyi Li, Ziqi Wang, Siming Huang, Qingfu Zhu, Qiufeng Wang, Xiangyu Zhang, Shuigeng Zhou, Wanxiang Che.

Arxiv **Semi-Instruct: Bridging Natural-Instruct and Self-Instruct for Code Large Language Models**

Xianzhen Luo, Qingfu Zhu, Zhiming Zhang, Xu Wang, Qing Yang, Dongliang Xu, Wanxiang Che

ACL2022 (Findings) **Inverse is Better! Fast and Accurate Prompt for Few-shot Slot Tagging**

Yutai Hou, Cheng Chen, **Xianzhen Luo**, Bohan Li, Wanxiang Che.

AI Open 2022 **Augmented and challenging datasets with multi-step reasoning and multi-span questions for Chinese judicial reading comprehension**

Qingye Meng, Ziyue Wang, Hang Chen, **Xianzhen Luo**, Baoxin Wang, Zhipeng Chen, Yiming Cui, Dayong Wu, Zhigang Chen, Shijin Wang

PROJECTS

Huozi: An Open-Source Universal LLM | 🏆 12 ⭐ 200

Mar 2023 – May 2023

- Served as a core developer, responsible for the collection and curation of data for code pretraining and post-training.
- Led the collection and organization of Chinese pretraining datasets.

Abacus: A Lightweight Code LLM | 🏆 2 ⭐ 47

Oct 2023 – Sep 2024

- Abacus with 2.7B parameters, outperforms other Code LLMs with parameters ≤3B such as Stable Code-3B and Granite-3B-Code on both coding and general language tasks.
- Led post-training data construction.

EXPERIENCE

Kuaishou Technology

Kstar Research Intern

Beijing, China

Aug 2025 – Present

- Focus on terminal agent development and research.

StepFun AI.

Research Intern

Beijing, China

Dec 2024 – Jul 2025

- Focus on code pretraining, covering data preparation, LLM training, and evaluation.

Du Xiaoman (Beijing) Science Technology Co., Ltd.

University-Industry Collaboration Researcher

Beijing, China

Nov 2023 – Sep 2024

- Explore research to enhance the code generation ability of Code LLMs, leverage code to assist other tasks, and accelerate LLM inference.

Joint Laboratory of HIT and iFLYTEK Research (HFL), China.

Research Intern

Beijing, China

Mar 2022 – Aug 2022

- Focus on Chinese Spell Check.