Xinye Li

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Education

Harbin Institute of Technology Aug. 2022 – Jun. 2026
B. Eng in Software Engineering *Weihai, China*

- GPA: 3.92/4.0
- **National Scholarship**, 2023 (Top 0.2 % Nationwide) | Taihu Future Science and Technology Scholarship, 2023 (Top 1.6 %) | First Grade Scholarship, 2022 (Top 3 %)
- **"Excellent Student Model"** Honorary Title, 2024 (Top 0.5%)

Publications

Xinye Li, Zunwen Zheng, Qian Zhang, Dekai Zhuang, Jiabao Kang, Liyan Xu, Qingbin Liu, Xi Chen, Zhiying Tu, Dianhui Chu, Dianbo Sui. ScEdit: Script-based Assessment of Knowledge Editing.
Accetpted at *ACL 2025*.

Xinye Li, Mingqi Wan, Dianbo Sui. LLMSR@XLLM25: An Empirical Study of LLM for Structural Reasoning. Accepted at *ACL 2025 Workshop XLLM Shared Task*.

Zecheng Wang, **Xinye Li**, Zhanyue Qin, Chunshan Li, Zhiying Tu, Dianhui Chu, Dianbo Sui. Can We Debias Multimodal Large Language Models via Model Editing? In *Proceedings of ACMMM 2024*.

Jiabao Kang, **Xinye Li**, Liyan Xu, Qingbin Liu, Xi Chen, Zhiying Tu, Dianhui Chu, Dianbo Sui. Exploring Deductive and Inductive Reasoning Capabilities of Large Language Models in Procedural Planning.
Under Review at *EMNLP 2025*.

Research Experience

Research Assistant in HKUST(GZ) HPML Lab Jan. 2025 - Present
GUI Agent, Knowledge *HKUST (GZ), RA*

- Conducting research on GUI Agents, focusing on GUI grounding and challenging dataset construction.
- Assisting in research efforts related to Knowledge.

Research on Knowledge Editing Sep. 2024 - Feb. 2025
Knowledge Editing, Script, NLG *Accepted at ACL 2025, First Author*

- Designed a script-based assessment framework to evaluate the performance of Knowledge Editing in complex real-world reasoning and generation tasks.
- Developed a rigorous benchmark accompanied by comprehensive experiments on existing methods, along with in-depth analyses of metric correlations and discussions on future directions for advancement.

Research on Inductive & Deductive Reasoning Sep. 2024 - Dec. 2024
Inductive & Deductive Reasoning, Procedural Planning *Under Review at EMNLP 2025, Second Author*

- Investigated the deductive and inductive capabilities of LLMs in procedural planning.
- Introduced an effective method with multiple sampling to enhance the inductive reasoning capabilities of LLMs in procedural planning.

Debiasing Multimodal LLMs via Model Editing Jan. 2024 – Jun. 2024
MLLM, LLM Debiasing, Model Editing *Accepted at ACMMM 2024, Second Author*

- Introduced a novel benchmark for debiasing editing in MLLM, evaluating the reliability, locality, and generality of model editing based debiasing methods across IC and VQA tasks.
- Conducted comprehensive research on the application of model editing methods for debiasing, involving editing 2 modules (LLM and Vision) and 4 types of biases.

Achievements

CP (Competitive Programming) Aug. 2022 – Dec. 2024
Algorithm Contest player (OIer/ACMer) *Contestant*

- **Bronze Medal**, The 2024 ACM-ICPC Asia East Continent Final Contest (**EC-Final**)
- **Silver Medal**, The 2023 ACM-ICPC Asia Hangzhou Regional Contest
- **Bronze Medal**, The 2023 ACM-ICPC Asia Nanjing Regional Contest
- **Gold Medal**, The 2024 Weihai Collegiate Programming Contest
- **Bronze Medal**, The 2023 CCF Collegiate Computer Systems & Programming Contest

Other Contests

- **Second Prize**, The 19th "Challenge Cup": 2024 'Open Call for Solutions' Special Program (Team Leader)
- **Second Prize**, Huawei CodeCraft Contest 2024 (**9th** in the preliminary round)
- **Second Prize**, The 6th Global Campus AI Algorithm Elite Competition

Projects

Game Arena for Evaluating Sequential Reasoning of LLMs Nov. 2023 - Feb. 2024
LLM Evaluation, Exhaustive Algorithm *Student Researcher*

- A system based on card game evaluating LLM's sequential reasoning & decision-making ability; An exhaustive algorithm was simultaneously proposed to record the game data in real time.

PCBGuard: AI-Driven Industrial Quality Inspection System Jun. 2024 – Nov. 2024
Object Detection, YOLOv5, Edge-Cloud Collaborative Deployment *Challenge Cup Second Prize, Team Leader*

- An AI-powered quality inspection system based on YOLOv5, customized for PCB defects detection with enhanced model training techniques and deployment on Huawei ModelArts.

Skills

Languages: English (CET4: 619, CET6: 577), Chinese, Cantonese (learning)
Programming Languages: C++, C, Python, Java, Tex, SQL
Frameworks: PyTorch, Sklearn, Numpy, Pandas, Matplotlib
Developer Tools: Git, Google Cloud Platform, Huggingface, Github, Jupyter Notebook, Vs Code, Postman

Working

HITWH ACM Club Aug. 2023 - Present
Student Club *Club leader & Teaching Assistant*

- Teaching assistant in Prof. Kaikun Dong's course *Problem-Oriented Advanced Programming*
- Organizer and Problem Contributor of the ACM Freshman Contest