

# Xinye Li

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## EDUCATION

### Harbin Institute of Technology

Aug. 2022 – Jun. 2026

*B. Eng in Software Engineering*

*Weihai, China*

- GPA: 90.68/100
- **National Scholarship**, 2023 (Top 0.2 % Nationwide) | Taihu Future Science and Technology Scholarship, 2023 (Top 1.6 %) | First Grade Scholarship, 2022 (Top 3 %)

## EXPERIENCE

### 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 – Present

*Algorithm Contest player (OIer/ACMer)*

*HITWH ACM Club Leader*

- **Silver Medal**, The 2023 ACM-ICPC Asia Hangzhou Regional Contest
- **Bronze Medal**, The 2023 ACM-ICPC Asia Nanjing Regional Contest
- **Bronze Medal**, The 2023 CCF Collegiate Computer Systems & Programming Contest
- **Second Prize**, Huawei CodeCraft Contest 2024 (**9th** in the preliminary round)

## 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 Finalist, 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.

### Intelligent Grid-Like Harbour Sandbox Practice

Mar. 2024 – Apr. 2024

*Online Algorithm, Optimization Problem*

*Huawei CodeCraft Contest 2024, Team Leader*

- A system in grid-like harbour sandbox, utilizing multi-sourced BFS algorithm realizing a superior performance of multi-robots and multi-boats path planning and goods delivery.

## SKILLS

**Languages:** English (CET4: 619, CET6: 577), Chinese

**Programming Languages:** C++, C, Python, Java, Tex, SQL

**Frameworks:** PyTorch, Sklearn, Numpy, Pandas

**Developer Tools:** Git, Google Cloud Platform, Huggingface, Github

## 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