

Ruichuan An

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Summary

- I am a first-year master student at Peking University. I'm now supervised by [Weinan E](#) and [Wentao Zhang](#) at [AAIS](#). Previously, I had a wonderful time working with [Shanghang Zhang](#) at [NELVT](#) of Peking University.
- In addition to my strong commitment, I have excellent grades in school, good communication skills; moreover, I am also proficient in English which includes work communication, reading of the literature, and writing of papers.
- My previous research interests include **Unified Vision-Language Models**, as well as **Data Centric AI**.

Education

Peking University | *Master in Center for Machine Learning Research* 2025—2027
Xi'an Jiaotong University | *BS in School of Software Engineering* 2021—2025
GPA: 3.75/4.3, Score 88/100, Rank: 4/160 CET-4: 602 CET-6: 573

Selected Publications & Preprints

1. **Ruichuan An** et al. "UniCTokens: Boosting Personalized Understanding and Generation via Unified Concept Tokens." **Accepted By NIPS 2025**. [\[PDF\]](#) [\[100+ Stars\]](#)
2. **Ruichuan An** et al. "MC-LLaVA: Multi-Concept Personalized Vision-Language Model." [\[PDF\]](#) [\[100+ Stars\]](#).
3. Yulin Luo*, **Ruichuan An***, et al. "LLM as Dataset Analyst: Subpopulation Structure Discovery with Large Language Model." **Accepted By ECCV 2024**. [\[PDF\]](#)
4. Weifeng Lin*, Xinyu Wei*, **Ruichuan An***, et al. "Perceive Anything Model: Recognize, Explain, Caption, and Segment Anything in Images and Videos." **Accepted By NIPS 2025**. [\[Project Page\]](#) [\[300+ Stars\]](#).
5. Weifeng Lin*, Xinyu Wei*, **Ruichuan An**, et al. "Draw-and-Understand: Leveraging Visual Prompts to Enable MLLMs to Comprehend What You Want." **Accepted By ICLR 2025**. [\[Project Page\]](#)

Intern Experience

Microsoft Research Asia | *Research Intern in Star of Tomorrow Track* Sep. 2025- Now
• Research Fields: Multi-Modal In-Context Reasoning. Supervisor: [Wenshan Wu](#) and [Furu Wei](#).
ByteDance | *Research Intern in Tiktok* Mar. 2025—Sep. 2025
• Research Fields: Unified Vision-Language Models, Personalization. Supervisor: [Ming Lu](#) and [Qi She](#).

Research Experience

MMLab in **The Chinese University of Hong Kong** | *Research Assistant* Nov. 2024—May. 2025
• Closely working with [Renrui Zhang](#).
• Research Fields: Unified Vision-Language Models, Reasoning for Generation.
HMLab in **Peking University** | *Research Assistant* May. 2023—May. 2024
• Supervised by prof. [Shanghang Zhang](#)
• Research Fields: Multi-modal Learning, LLMs, Data-Centric AI, Parameter Efficient Finetune

Awards/Services

Services Provided So Far | *Reviewer of ICRA 2025, MM 2025, NIPS 2025, AAAI 2026* Now
Rising Star of the Year (**5 out of 2233**) | *Highest personal honors in college* 2024
Huawei Scholarship | *10k CNY, Only 3 undergraduate student in XJTU per year* 2023
XJTU Outstanding Graduate, Student*3 | *Personal honors* 2025, 2024, 2023, 2022

Selected Project

[Open-DataFlow](#) | **Open-source Data-Centric Tools, 1.5K+ Stars**

One of the main contributors to the project, involved in designing and coding. Co-Leading the DataFlow-MM parts.

Personal Skill²

- **Coding:** Python, Pytorch, Huggingface, numpy, sklearn and other machine learning and data science libraries.
- **Miscellaneous:** Git, \LaTeX C++, Java, C, xv6 assembly code

¹ Underlined content contains hyperlinks. ² Skills or supplementary information not relevant to the job position are indicated in gray.