

# Ji Xie

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## EDUCATION

**Zhejiang University, Chu Kochen Honors College**

*Bachelor of Computer Science and Technology*

**Hangzhou, China**

*09/2022-06/2026(Expected)*

- **Scholarships:**
  - Zhejiang Provincial Government Scholarship (2023)
  - Chu Kochen Innovation Scholarship (2023, 2024)
- **GPA:** 4.75/5 (93.6/100)
- **Ranking:** 2/148
- **Codeforces Rating:** Epyset, **2478 (Grandmaster)**

Core Courses: Data Structures, Database System, Computer Networks, Operating Systems, Artificial Intelligence.

## Work Experience

**Research on Image Generation**

**Hangzhou, China**

- Conducted extensive research on image generation, reading nearly 100 papers in the field, especially in controllable image generation. Proficient in the LDM (Latent Diffusion Models) and Diffusers frameworks.
- Worked at Professor Yang Yi's Lab, independently completing the "consistent-MIG" image iterative editing section for the paper [MIGC++: Advanced Multi-Instance Generation Controller for Image Synthesis](#) (TPAMI under review).
- Currently leading a project for a co-first-authored paper [3DIS: Depth-Driven Decoupled Instance Synthesis For Text-to-Image Generation](#), targeting ICLR 2025 submission.

## Volunteer Experience

**Shanghai AI Lab**

**Shanghai, China**

Software Engineer & Teaching Assistant

*08/2023-09/2023*

- Guided high school students through the development of the project "Intelligent Ordering System Based on LLM", Assisted students in drafting and completing the final research paper for the project.

## COMPETITION & AWARDS (as team leader)

International Collegiate Programming Contest (ICPC), Shenyang Site, 2022, **Gold Medal**

*Shenyang, 10/2022*

China Collegiate Programming Contest (CCPC), Guangzhou Site, 2022, **Gold Medal**

*Guangzhou, 10/2022*

Zhejiang Provincial Collegiate Programming Contest, 2023, **Gold Medal**

*Hangzhou, 04/2023*

Zhejiang Provincial Collegiate Programming Contest, 2024, **Gold Medal**

*Hangzhou, 04/2024*

Zhejiang Provincial Higher Mathematics Competition, 2023, **First Prize**

*Hangzhou, 06/2024*

Zhejiang Provincial Undergraduate Physics Innovation (Theoretical) Competition, **First Prize**

*Hangzhou, 12/2023*

## PROFESSIONAL SKILLS

- **Programming Language:** Python, C++/C, SQL, MATLAB and Linux OS operations
- **Data Processing:** Pytorch, NumPy, Matplotlib for data analysis and visualization