

# ZHENXIN AI

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## PERSONAL SUMMARY

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I am currently a fourth-year undergraduate student in Artificial Intelligence, with a focus on computer vision and large models. During my studies, I have participated in three research projects, gaining substantial research experience. I have published a paper in *IEEE Transactions on Geoscience and Remote Sensing (TGRS)* (SCI 1 TOP), and I currently have a submission under review for ICCV 2025. The related research has also been open-sourced.

## EDUCATION

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**Jiangxi University of Science and Technology,**

Artificial Intelligence, Bachelor of Engineering

2021.9 - Present

**Westlake University,**

Visiting Student

2024.7 - 2024.12

## TECHNICAL SKILLS

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- **Programming Languages:** C/C++, Matlab, Java, Python
- **Keywords:** Machine Learning, Deep Learning, Optimization Algorithms, Computer Vision, LLM

## RESEARCH PROJECTS

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**Image Processing Lab (May 2023 - Present)** – Supervised by Prof. Luo Huilan      In the field of lightweight salient object detection (SOD), I was responsible for identifying key innovations, implementing code, and writing papers, focusing on developing more efficient and faster SOD models without compromising accuracy. Our paper has been accepted for publication in *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*.

**Encode Lab, Westlake University (July 2024 - December 2024)** – Supervised by Prof. Huan Wang  
**Under the guidance of Prof. Huan Wang and Prof. Harry Yang from The Hong Kong University of Science and Technology**, I collaborated with Prof. Jun Liu from Lancaster University on democratizing 3D scene reconstruction. We used Depth and Normal Estimation methods combined with ResNet and Geometric Affine Fields to propose a Monocular 3D Scene Reconstruction Model that can reconstruct views effectively with only one input view. I am a co-first author of this work, which was submitted to ICCV 2025. The open-source implementation is available at [arXiv:2503.12553](https://arxiv.org/abs/2503.12553).

**Zhipu AI (February 2025 - Present)** – Large Model Algorithm Intern

At Zhipu AI, I focus on fine-tuning, post-training, and deploying large language models (LLMs), optimizing their performance and adapting them for real-world applications.

## COMPETITIONS AND AWARDS

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- National Third Prize in 2022 Team Programming Contest Tianchi Competition, April 2022
- East Region Third Prize in 14th China College Students Service Outsourcing Innovation and Entrepreneurship Competition, April 2023
- National Third Prize in the 25th China Robot and Artificial Intelligence Competition, June 2023
- National Third Prize in the 16th China Undergraduate Computer Design Contest, July 2024
- Second Prize in Jiangxi Province College Students Innovation Programming Competition, December 2022
- First Prize in Jiangxi Province 25th China Robot and Artificial Intelligence Competition, May 2023
- First Prize in Jiangxi Province 16th China Undergraduate Computer Design Contest, June 2023
- Over ten other provincial-level awards

## COMMUNITY PARTICIPATION / EXTRACURRICULAR ACTIVITIES

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- “Outstanding Volunteer of the Year 2022” at Jiangxi University of Science and Technology
- Excellent Volunteer in the 18th Jiangxi Province “Challenge Cup”
- Minister of Innovation and Entrepreneurship Department, School of Information Engineering
- Two-time participant in “Three Going to the Countryside” social practice activities
- Participated in one winter vacation homecoming practice activity