

Yuze Zhu

Undergraduate Researcher, Embodied AI

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Education

B.Eng. University of Chinese Academy of Sciences (UCAS), School of Artificial Intelligence
in Ar- • GPA: 3.87/4.0; Rank: 12/85 (Top 15%).
tificial • Relevant coursework: Computer Vision, Natural Language Processing, Pattern
In- Recognition, Data Structures, Robotics.
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gence

Beijing, China
Sept 2023 – July 2027

Experience

FiveAges, Embodied AI Algorithm Intern
Embodied AI Algorithm Team; supervised by Prof. Yan Huang.

- Research and engineer Vision-Language-Action (VLA) models for embodied intelligence applications.
- Support deployment and validation of VLA models on real robotic systems, connecting model development with practical robot execution.

Beijing, China
Mar 2026 – present
6 months

Institute of Automation, Chinese Academy of Sciences (CASIA), Research Intern
State Key Laboratory of Multimodal Artificial Intelligence Systems; supervised by Assoc. Prof. Junyu Gao and Prof. Changsheng Xu.

- Developed a self-correction framework for Vision-Language Navigation (VLN) in continuous environments using environmental feedback.
- Built the main experimental codebase and conducted data analysis, ablation studies, and benchmark comparisons.
- Evaluated the method on R2R-CE and RxR-CE, supporting a second-author paper accepted to ICML 2026.

Beijing, China
July 2025 – Jan 2026
7 months

Publications

SC^2-WM: A Self-Correcting World Model with Closed-Loop Feedback for Vision-and-Language Navigation in Continuous Environments
Xuan Yao, **Yuze Zhu**, Junyu Gao, Zongmeng Wang, Changsheng Xu
(International Conference on Machine Learning (ICML), 2026 (Accepted))

Jan 2026

Honors and Awards

Outstanding Youth League Member (2025-2026)

University of Chinese Academy of Sciences
Jan 2026

Merit Student (2023, 2024, 2025)

University of Chinese Academy of Sciences
Jan 2025

Second Prize Undergraduate Excellent Scholarship
Top 15% in comprehensive evaluation.

University of Chinese Academy of Sciences
Jan 2024

Skills

Programming: Python, C/C++, LaTeX

Machine Learning and Robotics: Deep Learning, Computer Vision, Embodied AI, Vision-Language Navigation, Vision-Language-Action Models

Frameworks and Tools: PyTorch, Hugging Face Transformers, Linux, Git, Docker

Languages: Mandarin Chinese (Native), English (Academic reading and writing)