

# Zonghui Wen

✉ wenzonghui@gmail.com

🌐 zonghuiwen.cn

🔗 Google Scholar

🐙 GitHub

## Research Profile

Hi, I am Zonghui Wen (温宗辉), a Ph.D. student at Xiamen University, supervised by Prof. Liaoni Wu and Prof. [Yancheng You](#). Previously, I obtained my Master's degree in Computer Technology from Capital Normal University under the supervision of Lecturer Yongxiang Zhang.

My research interests include **embodied AI**, **intelligent agents**, and computer vision. I am always happy to connect and collaborate on related research - feel free to reach out.

## Education

**Xiamen University**

Ph.D. Student

Xiamen, China

2025 - Present

**Capital Normal University**

Master's Degree in Computer Technology

Beijing, China

2021 - 2024

## Research Interests

Embodied AI; intelligent agents; computer vision.

## Publications

**Enhanced YOLOv10 for small object detection with context-aware and adaptive modules**

Jian Wang, Jia Su, **Zonghui Wen**, Yongqing Sun

*International Journal of Multimedia Information Retrieval*, 14(3), 22, 2025

**A lightweight small object detection algorithm based on improved YOLOv5 for driving scenarios**

**Zonghui Wen**, Jia Su, Yongxiang Zhang, Mingyu Li, Guoxi Gan, Shenmeng Zhang, Deyu Fan

*International Journal of Multimedia Information Retrieval*, 12(2), 38, 2023

**Adaptive training strategies for small object detection using anchor-based detectors**

Shenmeng Zhang, Yongqing Sun, Jia Su, Guoxi Gan, **Zonghui Wen**

*International Conference on Artificial Neural Networks (ICANN)*, pp. 28-39, 2023

**SIE-YOLOv5: Improved YOLOv5 for small object detection in drone-captured scenarios**

**Zonghui Wen**, Jia Su, Yongxiang Zhang

*International Conference on Knowledge Science, Engineering and Management (KSEM)*, pp. 39-46, 2023

**Temporal repetition counting based on multi-stride collaboration**

Guoxi Gan, Jia Su, **Zonghui Wen**, Shenmeng Zhang

*International Conference on Knowledge Science, Engineering and Management (KSEM)*, 2023

## Open Source

**Calculate Petiole Angle**

Open-source Python project for calculating plant petiole angles.