

Wenjie Zhu

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EDUCATION

The Hong Kong Polytechnic University

*Advised by **IEEE Fellow**. Lei Zhang and **IEEE Fellow**. Wenjun Zeng.*

Hong Kong, China

Sep. 2022–

New York University

Master of Science in Computer Engineering

New York City, New York

Aug. 2020– May. 2022

Central South University

Bachelor of Engineering in Software Engineering

Changsha, Hunan, China

Aug. 2016 – July 2020

PUBLICATION

ANTS: Adaptive Negative Textual Space Shaping for OOD Detection via Test-Time MLLM Understanding and Reasoning

Wenjie Zhu, Yabin Zhang, Xin Jin, Wenjun Zeng, Lei Zhang

*IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR-2026) **oral***

Dual Distribution Estimation for Zero-shot Noisy Test-Time Adaptation with VLMs

Wenjie Zhu, Yabin Zhang, Liang Xu, Xin Jin, Wenjun Zeng, Lei Zhang

The 19th European Conference on Computer Vision (ECCV-2026)

Knowledge Regularized Negative Feature Tuning of Vision-Language Models for Out-of-Distribution Detection

Wenjie Zhu, Yabin Zhang, Xin Jin, Wenjun Zeng, Lei Zhang

*ACM International Conference on Multimedia (ACMMM-2025) **oral***

LAPT: Label-driven Automated Prompt Tuning for OOD Detection with Vision-Language Models

Yabin Zhang, **Wenjie Zhu**, Chenhang He, Lei Zhang

European Conference on Computer Vision (ECCV-2024)

Dual Memory Networks: A Versatile Adaptation Approach for Vision-Language Models

Yabin Zhang, **Wenjie Zhu**, Hui Tang, Zhiyuan Ma, Kaiyang Zhou, Lei Zhang

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR-2024)

On the Efficacy of Small Self-Supervised Contrastive Models without Distillation Signals

Haizhou Shi, Youcai Zhang, Siliang Tang, **Wenjie Zhu**, Yaqian Li, Yandong Guo, Yueting Zhuang

*AAAI Conference on Artificial Intelligence (AAAI-2022) **oral***

EXPERIENCE

OPPO Research Institution

Intelligent perception and interactive

Feb 2021 – Aug 2021

Shanghai, China

- Research on self-supervised learning, conducted experiments on **Small Self-Supervised Contrastive Models**.

WORK IN PROGRESS

MMOOC:Multimodal Out-of-Context Benchmark for Multimodal Large Language Models May 2026

EMNLP 2026 under review

ACADEMIC SERVICE

- **Conference Reviewer:** NeurIPS, ICML, ICLR, CVPR, ECCV, AAAI, ACMMM