

YABIN ZHANG

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EDUCATION/TRAINING

Stanford University

Fer. 2025 - Now

Postdoctoral Fellow in Department of Radiology, Supervised by Prof. [Curtis Langlotz](#)

The Hong Kong Polytechnic University

Jan. 2021 - Nov. 2024

Doctor's Degree (PhD) in Computing, Supervised by Prof. [Lei Zhang](#), IEEE Fellow

South China University of Technology

Sept. 2017 - June. 2020

Master's Degree (MSE) in Electrical Engineering, Supervised by Prof. [Kui Jia](#) GPA: 3.80/4

South China University of Technology

Sept. 2013 - June. 2017

Bachelor's Degree (BE) in Information Engineering GPA: 3.84/4

RESEARCH INTERESTS

- Image Processing, Self-supervised Learning, Domain Adaptation and Generalization
- Open World Recognition, Out-of-distribution Detection and Generalization
- Vision-Language Models, Efficient Model Adaptation

SELECTED PUBLICATIONS

1. **Y. Zhang**, B. Deng, H. Tang, L. Zhang, and K. Jia. Unsupervised Multi-class Domain Adaptation: Theory, Algorithms, and Practice. TPAMI, 2020, [Codes](#)
2. **Y. Zhang**, M. Li, R. Li, K. Jia, and L. Zhang. Exact Feature Distribution Matching for Arbitrary Style Transfer and Domain Generalization. CVPR, 2022 ([Oral](#)), [Codes](#)
3. **Y. Zhang**, B. Deng, Kui Jia, and Lei Zhang. Label Propagation with Augmented Anchors: A Simple Semi-supervised Learning Baseline for Unsupervised Domain Adaptation. ECCV, 2020 ([Spotlight](#)) [Codes](#)
4. **Y. Zhang**, J. Lin, R. Li, K. Jia, and L. Zhang. Point-dae: Denoising autoencoders for self-supervised point cloud learning. TNNLS, 2025 [Codes](#)
5. **Y. Zhang**, and L. Zhang. AdaNeg: Adaptive Negative Proxy Guided OOD Detection with Vision-Language Models. NeurIPS 2024
6. **Y. Zhang**, W. Zhu, C. He, and L. Zhang. LAPT: Label-driven Automated Prompt Tuning for OOD Detection with Vision-Language Models. ECCV 2024, [Codes](#)
7. **Y. Zhang**, W. Zhu, H. Tang, Z. Ma, K. Zhou, and L. Zhang. Dual Memory Networks: A Versatile Adaptation Approach for Vision-Language Models. CVPR, 2024, [Codes](#)
8. H. Zhang*, **Y. Zhang***, K. Jia, and L. Zhang. Unsupervised domain adaptation of black-box source models. BMVC2021, [Codes](#)
9. **Y. Zhang**, H. Tang, K. Jia, and M. Tan. Domain-Symmetric Networks for Adversarial Domain Adaptation. CVPR, 2019, [Codes](#)
10. **Y. Zhang**, K. Jia, and Z. Wang. Part-aware Fine-grained Object Categorization using Weakly Supervised Part Detection Network. TMM, 2019, [Codes](#)
11. **Y. Zhang**, H. Tang, and K. Jia. Fine-grained Visual Categorization using Meta-learning Optimization with Sample Selection of Auxiliary Data. ECCV, 2018, [Codes](#)

MENTORING EXPERIENCE

- **Mentored junior master's and PhD students:** Responsible for guiding 1 master's and 1 PhD students in academic topic selection, research method design, and paper writing.
- **Enhanced research quality and output:** My guidance helped improve research design, resulting in 1 collaborative paper published in BMVC and 1 under review.

TEACHING EXPERIENCE

- **Teaching assistant** of Human Computer Interaction, COMP3423, PolyU, 2021
- **Teaching assistant** of Introduction To Artificial Intelligence And Data Analytics, COMP1004, 2022
- **Teaching assistant** of Software Engineering and Development, COMP5241, 2022
- **Teaching assistant** of Introduction To Artificial Intelligence And Data Analytics, COMP1004, 2023
- **Teaching assistant** of Software Engineering and Development,, COMP5241, 2023

ACADEMIC ACTIVITIES

Conference Reviewer of CVPR, ICCV, ECCV, NIPS, ICML, ICLR, AAAI, SIGGRAPH

Journal Reviewer of TPAMI, IJCV, TIP, TNNLS, TMM, TMLR

AWARDS

The First Class Award (the 8th contributor) in Natural Sciences for Research Excellence by the Guangdong Province, China *2024*

China National Scholarship *2019*

National Scholarship for Encouragement *2016*

SKILLS

Python / PyTorch / GitHub / Ubuntu