YUSHU LI

🌐 https://yushu-li.github.io ✉ yushuliysl@gmail.com

Computer Vision | Transfer Learning | Test-Time Adaptation | Vision-Language Model

EDUCATION

South China University of Technology — Guangzhou, China
Master of Information and Communication Engineering — *Sep. 2022 - Present*
- Supervised by Prof. Kui Jia, co-supervised by Dr. Xun Xu

South China University of Technology — Guangzhou, China
Bachelor of Information Engineering (Elite Class) — *Sep. 2018 - Jun. 2022*
- **GPA: 3.77/4.00** (**Rank 4/50**)

PUBLICATIONS (* Contributed Equally)

[1] **Yushu Li***, Yongyi Su*, Adam Goodge, Kui Jia, Xun Xu. "Efficient and Context-Aware Label Propagation for Zero-/Few-Shot Training-Free Adaptation of Vision-Language Model", *International Conference on Learning Representations (**ICLR**)*, 2025.

[2] Yongyi Su*, **Yushu Li***, Kui Jia, Chuan-Sheng Foo, Xun Xu. "On the Adversarial Risk of Test Time Adaptation: An Investigation into Realistic Test-Time Data Poisoning", *International Conference on Learning Representations (**ICLR**)*, 2025.

[3] **Yushu Li***, Yongyi Su*, Xulei Yang, Kui Jia, Xun Xu. "Exploring Human-in-the-Loop Test-Time Adaptation by Synergizing Active Learning and Model Selection", *Transactions on Machine Learning Research (**TMLR**)*, 2024.

[4] **Yushu Li**, Xun Xu, Yongyi Su, Kui Jia. "On the Robustness of Open-World Test-Time Training: Self-Training with Dynamic Prototype Expansion", *International Conference on Computer Vision (**ICCV**)*, 2023. (**Oral Presentation**, 1.8% acceptance rate)

[5] Tiankai Chen, **Yushu Li**, Adam Goodge, Tianrui Li, Fei Teng, Xulei Yang, Xun Xu. "Exploiting Vision Language Model for Training-Free 3D Point Cloud OOD Detection via Graph Score Propagation", Under Review, 2025.

INTERNSHIPS

Shanghai Artificial Intelligence Laboratory — Shanghai, China
Research Intern, Supervised by Dr. Peng Gao — *Sep. 2024 - Mar. 2025*

Institute for Infocomm Research (I2R), A*STAR — Singapore
Visiting Student, Supervised by Drs. Xun Xu and Xulei Yang — *Mar. 2024 - Sep. 2024*

DexForce Technology — Shenzhen, China
Research Intern, Supervised by Prof. Kui Jia — *Jul. 2023 - Feb. 2024*

PROFESSIONAL SERVICES

Conference Reviewer: **ACM MM**, **NeurIPS**, **ICLR**, **ICML**, **ICME**

Journal Reviewer: **TPAMI**, **TIP**, **TMLR**

SELECTED AWARDS

First-class Scholarship, South China University of Technology (Top 4%) — *2020*

Second-class Scholarship, South China University of Technology (Top 10%) — *2019, 2021*

SKILLS

Languages: Native speaker of Chinese, Proficient in English (**IELTS 7.0**, all components 6.0 or above)

Programming Languages: Python, PyTorch, C/C++, Matlab, LaTeX