ZHENGBO WANG—王政博

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Education

Institute of Automation, Chinese Academy of Science, Beijing, China **2022 - present**
Research Intern
Supervisor: Prof. Jian Liang, Ran He, and Tieniu Tan

University of Science and Technology of China, Anhui, China **2021 - present**
Ph.D. candidate in Automation
Supervisor: Prof. Tieniu Tan

University of Science and Technology of China, Anhui, China **2017 - 2021**
B.Eng in Electronic Engineering and Information Science
Supervisor: Prof. Zilei Wang

About Me

I am a Ph.D. student at University of Science and Technology of China, under the supervision of Prof. Tieniu Tan and co-supervision of Prof. Jian Liang, Prof. Ran He, and Prof. Zilei Wang. Before that, I received my bachelor's degree in Electronic Information Engineering from University of Science and Technology of China in 2021. Currently, I am working on research topics about **Parameter-Efficient Fine-Tuning**, **Model Fusion**, and **Trustworthy AI** (including security, privacy, or robustness in AI) in VLMs and LLMs.

Publication

- <u>Zhengbo Wang</u>, Jian Liang, Lijun Sheng, Ran He, Zilei Wang, and Tieniu Tan, "A Hard-to-Beat Baseline for Training-free CLIP-based Adaptation". In Proceedings of *International Conference on Learning Representations (ICLR)*, 2024.

- <u>Zhengbo Wang</u>, Jian Liang, Ran He, Nan Xu, Zilei Wang, and Tieniu Tan, "Improving Zero-Shot Generalization for CLIP with Synthesized Prompts". In Proceedings of *IEEE/CVF International Conference on Computer Vision (ICCV)*, 2023.

- <u>Zhengbo Wang</u>, Jian Liang, Zilei Wang, and Tieniu Tan. "Exploiting Semantic Attributes for Transductive Zero-Shot Learning". In Proceedings of *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2023.

- Lijun Sheng, <u>Zhengbo Wang</u>, and Jian Liang, "Self-training solutions for the ICCV 2023 GeoNet Challenge". *Winners in the [universal DA track] of GeoDA challenges in ICCV Workshop*, 2023

- <u>Zhengbo Wang</u>, Jian Liang, Ran He, Zilei Wang, and Tieniu Tan, "Connecting the Dots: Collaborative Fine-tuning for Black-Box Vision-Language Models". *In Submission*, 2024.

- Jian Liang, Lijun Sheng, <u>Zhengbo Wang</u>, Ran He, and Tieniu Tan, "Realistic Unsupervised CLIP Fine-tuning with Universal Entropy Optimization". *In Submission*, 2024.

Academic Services

- **Reviewer for Top-tier conferences:**
  NeurIPS, CVPR, ICLR, ICML, ...

Honors and Awards

JAC NIO Scholarship	2023
USTC First-class Scholarship for Graduate Students	2021 & 2022 & 2023
USTC Outstanding Student Scholarship	2017 & 2018 & 2019 & 2020

Technical Skills

Languages: Python, C/C++, LATEX