

Wenjie Zhao

Github: github.com/WenjieZhao1

Email: zwjdegzh@gmail.com

EDUCATION

- University of Texas at Dallas** Dallas, U.S.
Ph.D. Candidate in Computer Science *Aug 2023 – Jun 2027 (Expected)*
- Xi'an Jiaotong University** Xi'an, China
Graduate Study in Software Engineering; GPA: 3.48 *Sep. 2022 – Jul. 2023*
- Sichuan University** Chengdu, China
Honors B.E in Automation - WuYuzhang Honors College; GPA: 3.66; rank: 8/117 *July 2018 - June 2022*

EXPERIENCE

- Google** — *Student Researcher* San Jose, CA — Sep 2026 – Dec 2026
◦ Research on efficient moving object segmentation for resource-constrained edge devices.
- Epsilon** — *Intern* Irving, TX — May 2026 – Aug 2026
◦ Designed and implemented a multi-agent LLM system for scalable, low-cost, and replayable data generation across multiple industries.
- University of Texas at Dallas** — *Instructor of Record* Dallas, TX — Aug 2025 – Dec 2025
◦ Instructor of record for ECS 1100: Introduction to Engineering and Computer Science.
- Bosch Research** — *Intern* Pittsburgh, PA — May 2025 – Aug 2025
◦ Developed CLIP-based models using voltage and program traces for side-channel program inference, and investigated trace-alignment methods for robustness to measurement errors.

PUBLICATIONS

- **Beyond the Current Prediction: Tracking Decoding Trajectories for Object Hallucination Detection in LVLMS:** Wenjie Zhao, Jia Li, Ruiyu Mao, Yunhui Guo. (Under Review)
- **ARGaze: Autoregressive Transformers for Online Egocentric Gaze Estimation:** Jia Li, Wenjie Zhao, Shijian Deng, Bolin Lai, Yuheng Wu, Ruijia Chen, Jon E. Froehlich, Yuhang Zhao, Yapeng Tian. (arXiv)
- **MetaRank: Task-Aware Metric Selection for Model Transferability Estimation:** Yuhang Liu, Wenjie Zhao, Xin Wang, Yunhui Guo. (arXiv)
- **CURE-OOD: Benchmarking Out-of-Distribution Detection for Survival Prediction:** Wenjie Zhao, Jia Li, Mingrui Liu, Jing Wang, Yunhui Guo. (TMLR 2026)
- **Mitigating the ID-OOD Tradeoff in Open-Set Test-Time Adaptation:** Wenjie Zhao, Jia Li, Xin Dong, Yapeng Tian, Yu Xiang, Yunhui Guo. (CVPR 2026 Findings)
- **How Much Future Helps? A Controlled Study of Future-Privileged Supervision for Causal Egocentric Gaze Estimation:** Jia Li, Wenjie Zhao, Fnu Atisri, Sanskriti Aripineni, Shijian Deng, Jon E. Froehlich, Yuhang Zhao, and Yapeng Tian. (CVPR Workshop, 2026; Best Paper Award)
- **Do Audio-Visual Segmentation Models Truly Segment Sounding Objects?:** Jia Li, Wenjie Zhao, Ziru Huang, Yunhui Guo, Yapeng Tian. (AAAI 2026)
- **From Pixel to Mask: A Survey of Out-of-Distribution Segmentation:** Wenjie Zhao, Jia Li, Yunhui Guo. (arXiv 2025)
- **H2ST: Hierarchical Two-Sample Tests for Continual Out-of-Distribution Detection:** Yuhang Liu, Wenjie Zhao, Yunhui Guo. (CVPR 2025)
- **AV-Mamba: Cross-Modality Selective State Space Models for Audio-Visual Question Answering:** Ziru Huang, Jia Li, Wenjie Zhao, Yunhui Guo, Yapeng Tian. (CVPR 2024 Workshop)
- **Segment Every Out-of-Distribution Object (S2M):** Wenjie Zhao, Jia Li, Xin Dong, Yu Xiang, Yunhui Guo. (CVPR 2024)

HONORS & AWARDS

- **Research Support:** Google Cloud Research Grant, Lambda Research Grant
- **Awards:** Best Paper Award, CVPR Workshop 2026

ACADEMIC SERVICE

- **Reviewer:** NeurIPS; ICML; MICCAI; ICCV; ACL; MMFM.

SKILLS SUMMARY

Languages & Tools: Python, C/C++, PyTorch, LaTeX, Google Cloud Platform, Lambda Cloud, MindX SDK, MXbase.
Technical Expertise: Out-of-Distribution Detection, Multimodal Learning, Vision-Language Models, State Space Models (Mamba), Test-Time Adaptation, Transfer Learning, Meta-Learning, Object Detection, Audio-Visual Segmentation, Gaze Estimation, Side-Channel Analysis, Edge Computing, Time-Series Analysis, Robust Perception, Biomedical Imaging, Video Understanding, Security.