Yuxiang Ji

yuxiangji@stu.xmu.edu.cn yuxiang-ji.com

Education

Xiamen University — Xiamen, China
Ph.D. in Artificial Intelligence — *Sept 2023 – now*

University of Birmingham — Birmingham, UK
Master in Artificial Intelligence and Machine Learning — *Sept 2021 – Oct 2022*
- **Thesis:** Diversity-based Ensemble for Online AutoML

Northwest University — Xi'an, China
Bachelor of Electronic Information Science and Technology — *Sept 2017 – July 2021*

Work Experience

Research Intern — Beijing, China
AMap, Alibaba — *May 2025 – now*
- Research on reinforcement learning for multi-modal large language model agent.

AI Engineer — Shenzhen, China
Camera, Huawei — *Nov 2022 – Aug 2023*
- Research on lightweight AI models.
- Integrated NAS and low-bit quantization for model deployment of smartphone cameras.

Publications

MMGeo: Multimodal Compositional Geo-Localization for UAVs [ICCV 2025]
Yuxiang Ji, Boyong He, Zhuoyue Tan, Liaoni Wu

Game4Loc: A UAV Geo-Localization Benchmark from Game Data [AAAI 2025, Oral]
Yuxiang Ji, Boyong He, Zhuoyue Tan, Liaoni Wu

Boosting Domain Generalized and Adaptive Detection with Diffusion Models: Fitness, Generalization, and Transferability [ICCV 2025]
Boyong He, **Yuxiang Ji**, Qianwen Ye, Zhuoyue Tan, Liaoni Wu

Generalized Diffusion Detector: Mining Robust Features from Diffusion Models for Domain-Generalized Detection [CVPR 2025]
Boyong He, **Yuxiang Ji**, Qianwen Ye, Zhuoyue Tan, Liaoni Wu

Diffusion Features to Bridge Domain Gap for Semantic Segmentation [ICASSP 2025]
Yuxiang Ji, Boyong He, Chenyuan Qu, Zhuoyue Tan, Chuan Qin, Liaoni Wu

Diffusion Domain Teacher: Diffusion Guided Domain Adaptive Object Detector [ACM MM 2024]
Boyong He, **Yuxiang Ji**, Zhuoyue Tan, Liaoni Wu

Awards, Honors

Silver Medal of ACM-ICPC Regional Contest — Yinchuan, *2019*

Silver Medal of ACM-CCPC Regional Contest — Mianyang, *2019*

Technologies

Python – proficient, C++ – proficient, LaTeX – proficient