

Yuxiang Ji

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Education

Xiamen University

Ph.D. in Artificial Intelligence

Xiamen, China

Sept 2023 – Now

University of Birmingham

Master in Artificial Intelligence and Machine Learning

Birmingham, UK

Sept 2021 – Oct 2022

Northwest University

Bachelor of Electronic Information Science and Technology

Xi'an, China

Sept 2017 – July 2021

Work Experience

Research Intern

AMAP, Alibaba

Beijing, China

May 2025 – Now

- Research on reinforcement learning for multi-modal large language model agent.

AI Engineer

Camera, Huawei

Shenzhen, China

Nov 2022 – Aug 2023

- Research on NAS and low-bit quantization for lightweight AI models.

Publications

Thinking with Map: Reinforced Parallel Map-Augmented Agent for Geolocation [Preprint 2026]

Yuxiang Ji, Yong Wang, Z. Ma, Y. Hu, H. Huang, X. Hu, G. Chen, Liaoni Wu, Xiangxiang Chu

Tree Search for LLM Agent Reinforcement Learning [Preprint 2025]

Yuxiang Ji, Ziyu Ma, Yong Wang, Guanhua Chen, Xiangxiang Chu, Liaoni Wu

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, L^AT_EX – proficient