

Yuxiang Ji

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Education

Xiamen University <i>Ph.D. in Artificial Intelligence</i>	Xiamen, China <i>Sept 2023 – Now</i>
University of Birmingham <i>Master in Artificial Intelligence and Machine Learning</i>	Birmingham, UK <i>Sept 2021 – Oct 2022</i>
Northwest University <i>Bachelor of Electronic Information Science and Technology</i>	Xi'an, China <i>Sept 2017 – July 2021</i>

Work Experience

Research Intern <i>AMAP, Alibaba</i>	Beijing, China <i>May 2025 – Now</i>
<ul style="list-style-type: none"> Research on reinforcement learning for multi-modal large language model agent. 	
AI Engineer <i>Camera, Huawei</i>	Shenzhen, China <i>Nov 2022 – Aug 2023</i>
<ul style="list-style-type: none"> Research on NAS and low-bit quantization for lightweight AI models. 	

Publications

Thinking with Map: Reinforced Parallel Map-Augmented Agent for Geolocalization [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