

# Curriculum Vitae

☆ **Name:** Mengjingcheng Mo (莫梦竞成) ☆ **Supervisor:** Prof. Xinbo Gao (高新波)  
☆ **Date of Birth:** October 1997 A.P. Jiaxu Leng (冷佳旭)  
☆ **Google Scholar:** [m6wKAtcAAAAJ](#) ☆ **Email:** tiurgee@gmail.com  
☆ **Current Focus:** Agentic Anomaly Understanding ☆ **Phone/WeChat:** (+86) 151 2315 1342  
☆ **Interests:** *Video Anomaly Understanding, Active Visual Reasoning, Multimodal Large Language Models*



## Education & Experience

**Education:** Chongqing University of Posts and Telecommunications (CQUPT)

Ph.D. Candidate (Expected June 2027)	Computer Science and Technology	Sep. 2023 - Present
Master of Engineering (M.Eng.)	Computer Science and Technology	Sep. 2020 - Jun. 2023
Bachelor of Laws (LL.B.)	Law	Sep. 2015 - Jun. 2019

**Experience:** <sup>1</sup> Information Technology Office, CQUPT, Product Designer, 2020; <sup>2</sup> Zhubajie Co., Ltd., User Interface Design Intern, 2019.

## Selected Publications *Toward Active Anomaly Understanding Beyond Passive Perception*

- [1] **Mengjingcheng Mo**, Jiaxu Leng, and Xinbo Gao\*, “Learning to Watch: [Active Video Anomaly Understanding](#) via Interleaved Policy Optimization,” *International Conference on Machine Learning (ICML)*, 2026. (CCF-A; [Active Evidence Acquisition](#))
- [2] **Mengjingcheng Mo**, Xinyang Tong, Mingpi Tan, Jiaxu Leng\*, Jiankang Zheng, Yiran Liu, Haosheng Chen, Ji Gan, Weisheng Li, and Xinbo Gao\*, “A2Seek: Towards Reasoning-Centric Benchmark for [Aerial Anomaly Understanding](#),” *Advances in Neural Information Processing Systems, Datasets and Benchmarks Track (NeurIPS D&B)*, 2025. (CCF-A; [Reasoning-Centric Benchmark](#))
- [3] **Mengjingcheng Mo**, Jiankang Zheng, Jiaxu Leng, Xinbo Gao\*, “Retrieval-Guided Contextual Inference for [Training-Free Video Anomaly Detection](#) in Low-Light Scenarios,” *ACM International Conference on Multimedia Retrieval (ICMR)*, 2026. (CCF-B; [In-Context Learning](#))
- [4] Jiaxu Leng, Jiankang Zheng, **Mengjingcheng Mo** (project lead), Zhanjie Wu, Haosheng Chen, Ji Gan and Xinbo Gao\*, “Linguistic Relative Policy Optimization for [Video Anomaly Reasoning](#),” *International Conference on Machine Learning (ICML)*, 2026. (CCF-A)
- [5] Jiankang Zheng, **Mengjingcheng Mo**\* (corresponding author, project lead), Jiaxu Leng, Mingpi Tan, Zhanjie Wu, Ji Gan, Haosheng Chen, and Xinbo Gao, “[Training-Free Video Anomaly Detection](#) via Uncertainty-Guided Hierarchical Retrieval with Vision-Language Models,” **UNDER REVISION**, *IEEE Transactions on Multimedia (TMM)*. (CCF-A; CAS Q1 Top Journal; [Hierarchical Retrieval](#))



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## Additional Selected Publications

[mo.github.io](#)

- [1] Tianle Lyu<sup>†</sup>, **Mengjingcheng Mo**<sup>†</sup> (co-first authors), Ting Wen, Zhen Song, Zinan Xiong, Yanjie Zhu\*, Breaking the Continuum: Discrete Distribution Learning for Structural [MRI Reconstruction](#), *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2026. (CCF-A)
- [2] Jiaxu Leng<sup>†</sup>, Yongming Ye, **Mengjingcheng Mo**<sup>†</sup> (co-first authors, project leader), Chenqiang Gao, Ji Gan, Bin Xiao, and Xinbo Gao\*, “Recent Advances for [Aerial Object Detection](#): A Survey,” *ACM Computing Surveys (CSUR)*, 2024. (CAS Q1 Top journal)
- [3] Jiaxu Leng, **Mengjingcheng Mo** (student first author), Yinghua Zhou, Chenqiang Gao, Weisheng Li, and Xinbo Gao\*, “Pareto Refocusing for [Drone-View Object Detection](#),” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 2023. (CCF-B; CAS Q1 Top journal)
- [4] Xinbo Gao, **Mengjingcheng Mo** (student first author), Haitao Wang, and Jiaxu Leng\*, “Recent Advances in [Small Object Detection](#),” *Journal of Data Acquisition and Processing*, 2021. (Cover Article; Journal Outstanding Paper Award 2019-2021; Outstanding Paper Award of Jiangsu Science and Technology Journals; **with over 300 citations**)

## Selected Research Projects

- [1] <sup>1</sup> **Completed** the 2024 Chongqing Graduate Research Innovation Project;
- <sup>2</sup> **Secured** for the 2024 CQUPT Doctoral Research Innovation Project.
- [2] Participated in the Chongqing Major Special Project on “[Smart Urban Sanitation](#),” and contributed to the development of **GARDEN**, the first domestic large model for smart urban sanitation.
- [3] Participated in the development of the **Chang’e Lunar Poem Generation** Large Model, supporting edge-side multimodal intelligent applications for lunar exploration scenarios.

□ **Academic Service:** Reviewer for TPAMI, TCSVT, KBS, ICML (**Gold Reviewer Award**), NeurIPS, and AAAI, ICMR,

## Selected Award

- [1] **Outstanding Master’s Thesis Award** of Chongqing, 2024.
- [2] **Outstanding Student Presentation Award** at the Frontier Forum on Multi-Granularity Cognitive Computing (supported by the NSFC Innovation Research Group Project)
- [3] **Innovation Award** in the “Driving with Language” track at the CVPR 2024 Autonomous Driving Challenge; the **Winner Solution Award** in the “Corner Case Scene Understanding” track at the ECCV 2024 Autonomous Driving Challenge.

# Curriculum Vitae

ICME.

**Skill:**  **Hobbies:** Photography, Badminton.