Jiaqi Li

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Research Interests: Long Video Understanding; Multimodal Models; Video Temporal Grounding; Embodied AI; Robot Task and Motion Planning; Human Pose Estimation.

EDUCATION

The University of Warwick (Coventry, United Kingdom)   *2024 - present*
Ph.D. in Computer Science
Supervisor: Yu Guan   Advisors: Victor Sanchez, Weiren Yu

The University of Hong Kong (Hong Kong, China)   *2022 - 2023*
Hong Kong, China
M.S. in Computer Science

Zhejiang University of Technology (Zhejiang, China)   *2018 - 2022*
Hangzhou, China
B.S. in Information and Computing Science
Minor: Computer Science and Technology

PUBLICATIONS

1. **Jiaqi Li**, Wang Guangming, Zheng Suntian, et al. "Towards Mitigating Modality Bias in Vision-Language Models for Temporal Action Localization. " *Association for Computational Linguistics: ACL*. 2026. **3.83 High Overall Assessment.**

2. **Jiaqi Li**, Shuntian Zheng, Yixian Shen, et al. "Keeping the Evidence Chain: Semantic Evidence Allocation for Training-Free Token Pruning in Video Temporal Grounding. " Under Review. 2026.

3. **Jiaqi Li**, Yixuan Tang, and Yi Yang. "Know the unknown: An uncertainty-sensitive method for llm instruction tuning." *Findings of the Association for Computational Linguistics: ACL Findings*. 2025.

4. Shuntian Zheng, **Jiaqi Li**, Guangming Wang, et al. "Person Parametric Physics-informed Representation for mmWave-based Human Pose Estimation. " Under Review. 2026.

5. Shuntian Zheng, **Jiaqi Li**, Minzhe Ni, et al. "Why Learn What Physics Already Knows? Realizing Agile mmWave-based Human Pose Estimation via Physics-Guided Preprocessing. " IEEE International Conference on Multimedia and Expo (ICME). 2026.

6. Qianwei Zhou, Jintao Wang, **Jiaqi Li**, et al. "RMFDNet: Redundant and missing feature decoupling network for salient object detection. " *Engineering Applications of Artificial Intelligence*. 2025.

7. Chenggang Lu, and **Jiaqi Li**. "Hot Topic Clustering based on Gaussian Mixture Model built-in DTW." *IEEE 4th International Conference on Pattern Recognition and Machine Learning (PRML)*. 2023.

8. Guanghui Ye, Huan Zhao, Qin Zhu, Fengnan Li, **Jiaqi Li**, Yixian Shen, Zhonghao Ren, Zhihua Jiang. "Automatic and Reliable Faithfulness Evaluation for Scientific Text-to-Image Generation with LMMs." Under Review. 2026.

9. Guanghui Ye, Huan Zhao, Yixian Shen, **Jiaqi Li**, Fengnan Li, Zhihua Jiang, Keqin Li. "Generating Multi-Modal Knowledge Clues as an Image: Towards Improving Image-Sequence Reasoning with Assisted Visual Input." *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*. 2026.

PATENTS

1. A method for calibrating the longitude and latitude of aerial image pixels. Patent No.: CN115457124A.

2. A Remote Ischemic Preconditioning Training System and Method. Patent No.: CN107512239A. Co-inventor.

3. A Passenger Seat Belt Status Monitoring System. Patent No.: CN108461158A.

RESEARCH EXPERIENCE

The University of Warwick
Research Assistant
Advisors: Yu Guan

Coventry, UK
Dec. 2024 - Mar. 2025

The Hong Kong University of Science and Technology (HKUST)
Research Assistant
Advisors: Yi Yang, Zhitao Yin

Hong Kong, China
Oct. 2023 - May 2024

TEACHING & INVITED TALK

Video Forensics & Video Compression

Mar. 2026

Guest Lecture, CS355 Digital Forensics, University of Warwick

ACADEMIC SERVICE

Workshop Program Chair

CVPR International Workshop on Vision Intelligence for Real-world Challenges (AI4RWC)

2026

Conference Reviewer

International Joint Conferences on Artificial Intelligence (IJCAI)

2025, 2026

International Conference on Machine Learning (ICML)

2026

Association for Computational Linguistics Rolling Review (ACL ARR)

2026

International Conference on Computer Vision (ICCV)

2025

Association for the Advancement of Artificial Intelligence (AAAI)

2025

PROJECTS

An automatic pine wood nematode monitoring system using UAVs, spectral remote sensing, and neural networks

2022 - 2023

Contributor to a collaborative project with the Forestry Department of Wuyi County, China that secured RMB 3 million in investment.