

JIAQI LIANG

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🏠 Jiaqi Liang · 🎓 Google Scholar

🎓 EDUCATION

Peking University, Beijing, China

Sept. 2024 – Present

M.S. student in Artificial Intelligence, expected June 2027

Jilin University, Changchun, China

Sept. 2020 – July 2024

B.S. in Computer Science and Technology

🔍 RESEARCH INTERESTS

Generalizable robotic manipulation, with a current focus on world action models learned from large-scale human and robot data; broader interests include vision-language-action (VLA) models, visual affordance, and multi-modal policy learning.

📄 PUBLICATIONS

(* indicates equal contribution)

OpenWAM: An Open, Modular Exploration Towards Systematic World–Action Model Pretraining

Co-First Author

Yuran Wang^{*‡}, Siqiao Huang^{*‡}, Mingleyang Li^{*}, Chenhao Zhang^{*}, **Jiaqi Liang^{*}**, Weiyang Jin, Yue Chen, Xuemin Chi, Donghao Zhou, Qize Yu, Yu-Kai Wang, Yuhao Rui, Shenzhe Yao, Zhen Yuan, Kefei Zhu, Zhenhao Shen, Zijie Zhu, Xiaowei Chi, Shanghang Zhang, Hao Dong, Lin Shao[†], Hang Zhao[†]

GroundingPI: A Grounding Foundation Model towards Physical Intelligence with Visual Primitives

Under Review

Qize Yu^{*}, Lianrui Fan^{*}, Boyu Chen^{*}, **Jiaqi Liang^{*}**, Xini Ding^{*}, Yue Chen, Zetian Song, Yuran Wang, Kaixuan Wang, Tianxing Chen, Bohan Zhou, Bowen Ping, Hao Li, Ruihai Wu, Hang Zhang, Xianming Liu, Yixiao Ge, Shuchang Zhou, Ping Luo[†], Shiyu Huang[†]

GroundAnything: Reconciling Parallel Decoding with Precise Visual Grounding at Flash Speed

Under Review

Qize Yu^{*}, Lianrui Fan^{*}, Bowen Ping^{*}, Xini Ding^{*}, Zetian Song^{*}, **Jiaqi Liang**, Junbo Niu, Yi Zou, Haojun Zhang, Kaixuan Wang, Tianxing Chen, Yuran Wang, Boyu Chen, Yue Chen, Hao Li, Xianming Liu, Yixiao Ge, Shuchang Zhou, Ping Luo[†], Shiyu Huang[†]

LD4WAM: Learning Latent Dynamics from Human Videos for World Action Models 2027

Under review at AAAI 2027

Zhenhao Shen^{*}, **Jiaqi Liang^{*}**, Jasper Lu^{*}, Feng Jiang, Yuran Wang, Chuanbo Wei, Jiayi Liu, Jianchun Yang, Qize Yu, Jiadi You, Ce Hao, Guanqi He, Chen Xie, Ruihai Wu

Project Page: <https://arxiv.org/abs/2608.22403>

AffordanceVLA: A Vision-Language-Action Model Empowering Action Generation through Affordance-Aware Understanding 2027

Under review at AAAI 2027

Qize Yu*, Jiadi You*, Yuran Wang, **Jiaqi Liang**, Bowen Ping, Yang Tian, Yue Chen, Minghong Cai, Zeying Gong, Ruihai Wu, Yinchuan Li, Junwei Liang, Ying-Cong Chen

Project Page: <https://skywalker-yqz.github.io/AffordanceVLA>

A3D: Adaptive Affordance Assembly with Dual-Arm Manipulation 2026

AAAI 2026 Oral

Jiaqi Liang*, Yue Chen*, Qize Yu*, Yan Shen, Haipeng Zhang, Hao Dong, Ruihai Wu

Project Page: <https://a3d-11011.github.io>

AdaDexGrasp: Adaptive Dexterous Grasping via 3D Visuo-Tactile Representation Fusion 2026

arXiv:2608.07600

Xirui Liang, **Jiaqi Liang***, Jingkai Xu*, Yuran Wang*, Ruochong Li, Yuanpei Chen, Masayoshi Tomizuka, Wei Zhan, Ruihai Wu

Paper: [arXiv:2608.07600](https://arxiv.org/abs/2608.07600)

DexGarmentLab: Dexterous Garment Manipulation Environment with Generalizable Policy 2025

NeurIPS 2025 Spotlight

Yuran Wang*, Ruihai Wu*, Yue Chen*, Jiarui Wang, **Jiaqi Liang**, Ziyu Zhu, Haoran Geng, Pieter Abbeel, Jitendra Malik, Hao Dong

Project Page: <https://wayrise.github.io/DexGarmentLab>

PA3FF: Learning Part-Aware Dense 3D Feature Field for Generalizable Articulated Object Manipulation 2026

ICLR 2026

Yue Chen*, Muqing Jiang*, Ruihai Wu*, Kaifeng Zheng, **Jiaqi Liang**, Chenrui Tie, Haoran Lu, Hao Dong

Project Page: <https://pa3ff.github.io>

GarmentPile++: Affordance-Driven Cluttered Garment Retrieval 2026

ICRA 2026

Mingleyang Li*, Yuran Wang*, Yue Chen, Tianxing Chen, **Jiaqi Liang**, Zishun Shen, Haoran Lu, Ruihai Wu, Hao Dong

Project Page: <https://garmentpile2.github.io>

Towards Trustworthy Embodied Intelligence: A Systems Framework and Graded Trustworthiness Levels 2026

Additional co-authored work

Xinyu Yang et al. (including **Jiaqi Liang**)

Paper: [arXiv:2607.26121](https://arxiv.org/abs/2607.26121)

 RESEARCH EXPERIENCE

PKU-Agibot Lab, Peking University, Beijing, China

Sept. 2024 – Dec. 2025

Student Researcher Advisors: Prof. Hao Dong & Dr. Ruihai Wu

Conducted research on affordance-based robotic manipulation, including dual-arm collaborative assembly, dexterous garment manipulation, and articulated object manipulation, leading to publications at AAAI, NeurIPS, ICLR, and ICRA.

INTERNSHIP

WUJI TECH, Beijing, China

May 2026 – Present

Embodied AI / Robotics Research Intern

Conducting research on World-Action Models (WAMs); deeply involved in the development of **OpenWAM** (see Publications).

Lightwheel, Beijing, China

Jan. 2026 – May 2026

Embodied AI / Robotics Research Intern

Conducted empirical studies on co-training world action models with human and robot data, focusing on scaling laws of human data and their impact on generalization.