

Education

University of California, San Diego

Master of Science (Computer Science and Engineering)
Advisor: Prof. Xiaolong Wang

La Jolla, CA, USA
Sep 2025 - Apr 2027 (Expected)

Peking University

Bachelor of Science (Computer Science and Technology)
GPA: 3.75/4.0 Rank: 7/121
Advisor: Prof. Libin Liu

Beijing, China
Sep 2021 - Jul 2025

Publications

XL-VLA: Cross-Hand Latent Representation for Vision-Language-Action Models

Guangqi Jiang*, Yutong Liang*, Jianglong Ye, Jia-Yang Huang, Changwei Jing, Rocky Duan, Pieter Abbeel, Xiaolong Wang[†], Xueyan Zou[†]
CVPR (Highlight, Top 3%), 2026

DexterCap: An Affordable and Automated System for Capturing Dexterous Hand-Object Manipulation

Yutong Liang*, Shiyi Xu*, Yulong Zhang*, Bowen Zhan, He Zhang, Libin Liu[†]
Eurographics, 2026

GSWorld: Closed-Loop Photo-Realistic Simulation Suite for Robotic Manipulation

Guangqi Jiang*, Haoran Chang*, Ri-Zhao Qiu, Yutong Liang, Mazeyu Ji, Jiyue Zhu, Zhao Dong, Xueyan Zou, Xiaolong Wang[†]
ICRA, 2026

ROBOVERSE: Towards a Unified Platform, Dataset and Benchmark for Scalable and Generalizable Robot Learning

RoboVerse Team
RSS, 2025

SimiSketch: A Sketching Algorithm for Similarity Estimation

Fenghao Dong, Yang He*, Yutong Liang*, Zirui Liu, Yuhan Wu, Peiqing Chen, and Tong Yang[†]
arXiv, 2024

Research Interests

My research aims to develop **general-purpose physics agents** that can **comprehend the world** and operate with **human-level dexterity**. I am particularly interested in the following areas:

Robotics: Dexterous In-Hand Manipulation, Reinforcement Learning, World Models

Computer Graphics: Character Animation, Human-Object Interaction, Physics Simulation

Honors and Awards

- PKU Scholarship (Top 5%) Sep 2024
- PKU Outstanding Research Award Sep 2024
- AEON Scholarship (Top 10%) Sep 2023
- PKU Merit Student Sep 2023
- Shenzhen Stock Exchange Scholarship (Top 20%) Sep 2022
- PKU Outstanding Academic Award Sep 2022
- PKU New Student Scholarship Aug 2021

Professional Service

Reviewer

- Journal: IEEE Robotics and Automation Letters (RA-L) 2026
- Workshop: ICRA Workshop on Manipulation Robustness 2026

