

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

Research Interests

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

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

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*), 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 (Author list omitted due to length)

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 preprint

Honors and Awards

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