Siyu Ma

siiyuma@outlook.com | https://bell0o.github.io/ | +1-310-709-4689

Research Interests

Robot Learning, Contact-rich Manipulation, Sim-to-Real Transfer.

Education

University of California, San Diego — Jan 2026 – Jun 2031
Ph.D. in Computer Science, advised by Hao Su and Chenfanfu Jiang

University of California, San Diego — Sep 2023 – Dec 2024
M.S. in Computer Science

University of Electronic Science and Technology of China — Sep 2019 – Jun 2023
B.Eng. in Software Engineering

Publications

Right-Side-Out: Learning Zero-Shot Sim-to-Real Garment Reversal

IEEE International Conference on Robotics and Automation (ICRA), 2026
Chang Yu*, **Siyu Ma***, Wenxin Du, Zeshun Zong, Han Xue, Wendi Chen, Cewu Lu, Yin Yang, Xuchen Han, Joseph Masterjohn, Alejandro Castro, Chenfanfu Jiang

GRIP: A General Robotic Incremental Potential Contact Simulation Dataset for Unified Deformable-Rigid Coupled Grasping

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2025
Siyu Ma*, Wenxin Du*, Chang Yu*, Ying Jiang*, Zeshun Zong, Tianyi Xie, Yunuo Chen, Yin Yang, Xuchen Han, Chenfanfu Jiang

Embedded IPC: Fast and Intersection-free Simulation in Reduced Subspace for Robot Manipulation

IEEE International Conference on Robotics and Automation (ICRA), 2025
Wenxin Du*, Chang Yu*, **Siyu Ma**, Ying Jiang, Zeshun Zong, Yin Yang, Joseph Masterjohn, Alejandro Castro, Xuchen Han, Chenfanfu Jiang

Singing Mouth Shape and Face Animation Generation Method and Device and Electronic Equipment

Chinese Patent, CN114972592A
Xueyuan Yin, Qinyin Xiao, Xinzhong Liu, Hongyu Chen, **Siyu Ma**

Experience

CoRe Lab at Peking University — Oct 2025 – Dec 2025
Visiting Student, advised by Yixin Zhu — Beijing, China

MVIG Lab at Shanghai Jiao Tong University — Jun 2025 – Sep 2025
Visiting Student, advised by Cewu Lu — Shanghai, China

Artificial Intelligence & Visual Computing Lab at UCLA — Jan 2024 – Jun 2025
Research Assistant, advised by Chenfanfu Jiang — Los Angeles, USA

XiaoHi Studio — Mar 2022 – Jun 2022
Machine Learning Intern — Chengdu, China

Scholarship & Awards

- IROS Travel Grant (2025)
- Honor Graduate, University of Electronic Science and Technology of China (2023)
- Outstanding Undergraduate Scholarship (2020-2023)

Skills

Programming Languages: Python, C, C++.
Deep Learning Libraries: PyTorch, Tensorflow.
Robotics: Isaac Gym/Sim/Lab, MuJoCo, PyBullet, ROS1/2.