Shiqi Yang

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Education

University of California, San Diego (UCSD)   Sept 2023 – Present
M.S. in Intelligence Systems, Robotics and Control, Jacobs School of Engineering
- GPA: 3.9/4.0

The Chinese University of Hong Kong, Shenzhen (CUHKSZ)   Sept 2019 – May 2023
B.E. in Computer Engineering, School of Science and Engineering

Publications

Mobile-TeleVision: Predictive Motion Priors for Humanoid Whole-Body Control

Chenhao Lu*, Xuxin Cheng*, Jialong Li*, *Shiqi Yang*, Mazeyu Ji, Chengjing Yuan, Ge Yang, Sha Yi, Xiaolong Wang

arXiv 2024

ACE: A Cross-Platform Visual-Exoskeletons System for Low-Cost Dexterous Teleoperation

Shiqi Yang, Minghuan Liu, Yuzhe Qin, Runyu Ding, Jialong Li, Xuxin Cheng, Ruihan Yang, Sha Yi, Xiaolong Wang

Conference on Robot Learning (CoRL) 2024

Open-TeleVision: teleoperation with immersive active visual feedback

Xuxin Cheng*, Jialong Li*, *Shiqi Yang*, Ge Yang, Xiaolong Wang

Conference on Robot Learning (CoRL) 2024

Bunny-VisionPro: Real-Time Bimanual Dexterous Teleoperation for Imitation Learning

Runyu Ding*, Yuzhe Qin*, Jiyue Zhu*, Chengzhe Jia, *Shiqi Yang*, Ruihan Yang, Xiaojuan Qi, Xiaolong Wang

arXiv 2024

Design and Verification of a Novel Triphibian Robot

Shiqi Yang, Kaiwen Xue*, Minen Lv, Yingtai Xu, Jingyi Yang, Yiying Lu, Chongfeng Liu, Huihuan Qian

arXiv 2023

Design and Implementation of a Rolling Hovercraft for Amphibious Locomotions

Kaiwen Xue, *Shiqi Yang*, Minen Lv, Yiying Lu, Huihuan Qian

IEEE International Conference on Robotics and Biomimetics (ROBIO) 2022

*denotes equal contribution

Research Experience

Wang Lab, UCSD   Jan 2024 – Present
Graduate Student Researcher   Advisor: Xiaolong Wang
- Teleoperation System
- Imitation Learning
- Cross Embodiment and Humanoid Robot

Shenzhen Institute of Artificial Intelligence and Robotics for Society (AIRS)   Sept 2021 – May 2023
Undergraduate Student Researcher   Advisor: Huihuan Qian
- Robot Design and Triphibious robot

Technologies

Languages: Python, C++, HTML

Tools: ROS, PyTorch, Isaac Gym, SAPIEN, SolidWorks, Onshape, Git, LaTeX

Robots: Unitree H1/B1/Z1/G1, Fourier GR-1, Inspired Hand, Ability Hand, Franka Emika Panda, UFactory xArm 7