

JIALONG LI

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EDUCATION

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- | | |
|---|-----------------|
| University of California, San Diego | 2022.09-2024.06 |
| <ul style="list-style-type: none">• M.S. in Electrical Engineering (Intelligent Systems, Robotics, and Control)• CGPA: 3.89/4.0• Advisor: Xiaolong Wang | |
| The University of Hong Kong | 2018.09-2022.06 |
| <ul style="list-style-type: none">• B.S. in Computer Engineering• CGPA: 3.92/4.30 (ranked 1st out of 52)• Major GPA: 4.12/4.30 | |
| University of Illinois at Urbana-Champaign (UIUC) | 2021.01-2021.05 |
| <ul style="list-style-type: none">• Virtual Exchange Student• CGPA: 4.0/4.0 | |
| University of California, Irvine (UCI) | 2019.08-2019.09 |
| <ul style="list-style-type: none">• International Visiting Student• CGPA: 4.0/4.0 | |

RESEARCH INTEREST

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- Robotics: robot learning, manipulation, locomotion
 - Artificial Intelligence: deep learning, reinforcement learning, computer vision

PUBLICATIONS

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- [1] Exbody2: Advanced Expressive Humanoid Whole-Body Control**
Mazeyu Ji*, Xuanbin Peng*, Fangchen Liu*, **Jialong Li**, Ge Yang, Xuxin Cheng, Xiaolong Wang
In Submission to CVPR 2025
 - [2] 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
In Submission to ICRA 2025
 - [3] Open-TeleVision: Teleoperation with Immersive Active Visual Feedback**
Xuxin Cheng*, **Jialong Li***, Shiqi Yang, Ge Yang, Xiaolong Wang
CoRL 2024
 - [4] ACE: A Cross-platform Visual-Exoskeletons for Low-Cost Dexterous Teleoperation**
Shiqi Yang, Minghuan Liu, Yuzhe Qin, Runyu Ding, **Jialong Li**, Xuxin Cheng, Ruihan Yang, Sha Yi, Xiaolong Wang
CoRL 2024

[5] **DiffSRL: Learning Dynamical State Representation for Deformable Object Manipulation with Differentiable Simulator**

Sirui Chen*, Yunhao Liu*, Shang Wen Yao, **Jialong Li**, Tingxiang Fan, Jia Pan

IEEE RA-L 2022

RESEARCH EXPERIENCE

Student Research Assistant – University of California, San Diego 2023.01-2024.08
Advisor: Xiaolong Wang

Student Research Assistant - The University of Hong Kong 2021.05-2021.09
Topic: Rotation Invariance & Equivariance in Point Cloud Completion
Advisor: Xiaojuan Qi

Student Research Assistant - The University of Hong Kong 2020.06-2020.10
Topic: Control Learning on Deformable Objects with Differential Simulators
Advisor: Jia Pan

SKILLS

- Programming: Python, C++, MATLAB
- Tools: SOLIDWORKS, ROS, OpenCV, TensorFlow, PyTorch, IsaacGym
- Robots: Unitree H1/G1, Fourier GR-1

WORKING EXPERIENCE

Student Teaching Assistant - The University of Hong Kong 2019.09-2019.11

- Introduce 1st year students to Python programming language.

Research Assistant – University of California, San Diego 2024.08-Present
Advisor: Xiaolong Wang

HONORS AND AWARDS

HKU Worldwide Undergraduate Student Exchange Scholarships 2018-2019

Dean's Honours List 2018-2021

Walter Brown Memorial Prizes in Mathematics 2018-2019

Entrance Scholarships in Electrical and Electronic Engineering 2019-2020

Young Tsun Dart Scholarship 2019-2022

S. Y. King Prize in Electrical and Electronic Engineering 2019-2020

PCCW-HKT Prize in Electrical and Electronic Engineering 2019-2021

Leung Wai Sun Prize in Electrical and Electronic Engineering 2020-2021

First Class Honours 2022

EXTRACURRICULUM ACTIVITIES

HKU RoboMaster Team HerKules: RoboMaster Robotic Competition 2019

- Use CAD and CAE tools to design and assemble a functional robot which traverses freely and grasp boxes.

Curriculum Vitae, Jialong Li, UCSD

HKU RoboMaster Team HerKules: RoboMaster Robotic Competition 2020

- Engineer Group Leader.

RoboMaster AI Challenge 2020

- Develop MQTT communication and ROS localization code blocks.

Tianjin Artificial Intelligence Workshop 2019 HKU x Tianjin University

- Build an autonomous vehicle with sensors to avoid obstacles and track paths.

LANGUAGES

Chinese

- Native Proficiency

English

- Professional Working Proficiency