

JINZHOU LI

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EDUCATION

Cornell University

M.Eng. in Systems Engineering (Concentration on Robotics)

- Advised by Prof. Maha Haji

Ithaca, NY

Aug 2022 – Dec 2023

The University of Vermont

B.S. in Computer Science

- Vermont Merit Scholarship (\$ 40,000)

Burlington, VT

Aug 2017 – May 2021

RESEARCH EXPERIENCES

Peking University (AGIBOT Lab), School of Computer Science

Topic: Tactile Dexterous Manipulation

Research Assistant to Prof. Hao Dong

Beijing, China

Feb 2024 – Present

Kent State University (CRAI Lab), College of Aeronautics and Engineering

Topic: Hand Gesture-Based Interactive Multi-UAV's Control System

Research Intern to Prof. Rui Liu

Kent, Ohio

Mar 2023 – Sep 2023

Cornell University (SEA Lab) & Massachusetts Institute of Technology

Topic: Hybrid Agent-Based Model and Discrete Event Simulation to Optimize AUV Fleet Operations

Graduate Research Student to Prof. Maha Haji & Prof. Daniel Hasting

Ithaca, NY

Aug 2022 – May 2023

PUBLICATION AND PRESENTATION (* Equal Contribution)

1. Adaptive Visual-Tactile Fusion with Predictive Force Attention for Dexterous Manipulation

Jinzhou Li*, Tianhao Wu*, Jiyao Zhang**, Zeyuan Chen**, Haotian Jin, Mingdong Wu, Yujun Shen, Yaodong Yang, Hao Dong.

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2025), Under Review

2. SimLauncher: Launching Sample-Efficient Robotic Reinforcement Learning via Simulation Pre-training

Mingdong Wu*, Lehong Wu*, Yizhuo Wu*, Weiyao Huang, Hongwei Fan, Zheyuan Hu, Haoran Geng, Jinzhou Li, Jiahe Ying, Long Yang, Yuanpei Chen & Hao Dong.

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2025), Under Review

3. Canonical Representation and Force-Based Pretraining of 3D Dexterous Visuo-Tactile Policy Learning

Tianhao Wu, Jinzhou Li*, Jiyao Zhang*, Mingdong Wu & Hao Dong.

IEEE International Conference on Robotics and Automation 2025 (ICRA 2025)

4. HGIC: A Hand Gesture Based Interactive Control System for Efficient and Scalable Multi-UAV Operations

Mengsha Hu, Jinzhou Li, Runxiang Jin, Chao Shi, Lei Xu & Rui Liu.

IEEE International Workshop on Robot and Human Communication (RO-MAN 2024)

5. HGIC: A Hand Gesture Based Interactive Control System for Efficient and Scalable Multi-UAV Operations

Jinzhou Li, Mengsha Hu, Lei Xu, Yibei Guo & Rui Liu.

IEEE International Symposium on Multi-Robot & Multi-Agent Systems (MRS 2023) - Presentation

PROFESSIONAL EXPERIENCE

AGI-BOT Inc.

Research Intern

Beijing, China

Feb. 2024 – Present

TEACHING EXPERIENCE

Cornell University, School of Computer Information Science

Teaching Assistant to Intro to Deep learning (Meta CS 4782)

Ithaca, NY

Sept. 2023 – Nov. 2023

- Designed educational content for reinforcement learning, including slides and written/programming assignments, focusing on Markov Decision Processes (MDP), Q-Learning, and Policy Gradient, and Reinforcement learning from human feedback (RLHF)

SKILLS

Software: OnShape, AnyLogic

Programming Language: Python, Java, R, JavaScript, HTML & CSS, C++, SQL

Robot Hardware & Sensor Experiences: Leap Hand, Allegro, Hello Robot, Franka, ALOHA, GelSight, etc.

Robot Simulation Environment and Framework: ROS, PyTorch, Unreal Engine, Issac Gym