JINZHOU LI

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EDUCATION

Cornell University Ithaca, NY
M.Eng. in Systems Engineering (Concentration on Robotics) Dec. 2023
- Advised by Prof. Maha Haji

The University of Vermont Burlington, VT
B.S. in Computer Science May. 2021
- Vermont Merit Scholarship ($ 40,000)

RESEARCH EXPERIENCES

Peking University (AGIBOT Lab), School of Computer Science
Topic: Tactile Dexterous Manipulation Beijing, China
Research Assistant to Prof. Hao Dong Feb. 2024 – Present

Kent State University (CRAI Lab), College of Aeronautics and Engineering
Topic: Hand Gesture-Based Interactive Multi-UAV's Control System Kent, Ohio
Research Intern to Prof. Rui Liu 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 Ithaca, NY
Graduate Research Student to Prof. Maha Haji & Prof. Daniel Hasting 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. Beijing, China
Research Intern Feb. 2024 – Present

TEACHING EXPERIENCE

Cornell University, School of Computer Information Science Ithaca, NY
Teaching Assistant to Intro to Deep learning (Meta CS 4782) 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