Weijun Dong

Email: weijundong@ucsd.edu ◇ Homepage: dwjshift.github.io ◇ Google Scholar

Education

University of California, San Diego *Sep. 2025 – Present*

Ph.D. student, Computer Science and Engineering Department
- Supervisor: Prof. Hao Su

Tsinghua University *Aug. 2022 – June 2025*

M.S. in Computer Science, Institute for Interdisciplinary Information Sciences
- Supervisor: Prof. Yang Gao

Tsinghua University *Aug. 2018 – June 2022*

B.Eng. in Computer Science, Institute for Interdisciplinary Information Sciences (Yao Class)
- Thesis Advisor: Prof. Chongjie Zhang

Research Interest

My research lies at the intersection of robotics and machine learning. I am particularly interested in exploring how to develop **scalable and general-purpose learning frameworks for high-reliability robotic manipulation in unstructured real-world environments**. My previous research has also spanned reinforcement learning and imitation learning algorithms.

Publications

* indicates equal contribution. † indicates equal advising.

Translating Flow to Policy via Hindsight Online Imitation **ICLR 2026**

Yitian Zheng, Zhangchen Ye*, **Weijun Dong***, Shengjie Wang, Yuyang Liu, Chongjie Zhang, Chuan Wen†, Yang Gao†*

Imitation Learning from Observation with Automatic Discount Scheduling **ICLR 2024**

Yuyang Liu, **Weijun Dong***, Yingdong Hu, Chuan Wen, Zhao-Heng Yin, Chongjie Zhang, Yang Gao*

Self-Organized Polynomial-Time Coordination Graphs **ICML 2022**

Qianlan Yang, **Weijun Dong***, Zhizhou Ren*, Jianhao Wang, Tonghan Wang, Chongjie Zhang*

Context-Aware Sparse Deep Coordination Graphs **ICLR 2022 (Spotlight)**

Tonghan Wang, Liang Zeng*, **Weijun Dong**, Qianlan Yang, Yang Yu, Chongjie Zhang*

Research Experience

Remote Research Assistant, New York University *July 2024 – Feb. 2025*

Advised by Prof. Lerrel Pinto
- Research topics: precise robotic manipulation, reinforcement learning for robotic manipulation

Graduate Research Assistant, Tsinghua University *Aug. 2022 – June 2025*

Co-advised by Prof. Yang Gao & Prof. Chongjie Zhang
- Research topics: reinforcement learning, learning from action-free videos, multi-task skill transfer, self-improvement for robotic manipulation

Undergraduate Research Assistant, Tsinghua University *Jan. 2021 – June 2022*

Advised by Prof. Chongjie Zhang
- Research topics: multi-agent reinforcement learning

SELECTED HONORS AND AWARDS

- Jacobs School of Engineering Fellowship (Charles Lee Powell Foundation) *2025*
- Gold Medal, ACM-ICPC Asia Regional Contest Nanjing Site *2018*
- Gold Medal, Chinese National Olympiad in Informatics *2017*
- Gold Medal, Asia-Pacific Informatics Olympiad *2017*

TEACHING & MENTORING EXPERIENCES

Teaching Assistant

- Computer Vision (Tsinghua University) *Spring 2025*
- Artificial Intelligence: Principles and Techniques (Tsinghua University) *Fall 2023*

Research Mentoring

- Yitian Zheng (Undergrad at Tsinghua University) *2024 – 2025*
- Zhangchen Ye (Undergrad at Tsinghua University) *2024 – 2025*

MISCELLANEOUS

- Robots: Franka, xArm
- Programming: C++, Python, LaTeX, Git, MuJoCo
- Languages: English, Chinese (Mandarin, Cantonese)