

Heng Dong

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EDUCATION

- **Tsinghua University (THU)** Beijing, China
Ph.D. student majoring in Interdisciplinary Information Science *Sep. 2020 - Present*
- **University of Science and Technology of China (USTC)** Hefei, China
B.S. majoring in Computer Science and Technology *Sep. 2016 - Jul. 2020*

PUBLICATIONS AND PREPRINTS

- **Heng Dong***, Kefei Duan*, Chongjie Zhang. “Implementing Actor-Critic with Large Language Models”. Submit to *The Thirty-eighth Annual Conference on Neural Information Processing Systems* (NeurIPS 2024).
- **Heng Dong***, Junyu Zhang*, Chongjie Zhang. “Leveraging Hyperbolic Embeddings for Coarse-to-Fine Robot Design”. In *The Twelfth International Conference on Learning Representations* (ICLR 2024).
- **Heng Dong**, Junyu Zhang, Tonghan Wang, Chongjie Zhang. “Symmetry-Aware Robot Design with Structured Subgroups”. In *Fortieth International Conference on Machine Learning* (ICML 2023).
- **Heng Dong**, Tonghan Wang, Jiayuan Liu, Chongjie Zhang. “Low-Rank Modular Reinforcement Learning via Muscle Synergy”. In *Thirty-sixth Conference on Neural Information Processing Systems* (NeurIPS 2022).
- **Heng Dong***, Tonghan Wang*, Jiayuan Liu, Chi Han, Chongjie Zhang. “Birds of a Feather Flock Together: A Close Look at Cooperation Emergence via Multi-Agent RL.” *arXiv preprint* (2021).
- Yihan Wang*, Beining Han*, Tonghan Wang*, **Heng Dong**, Chongjie Zhang. “DOP: Off-Policy Multi-Agent Decomposed Policy Gradients”. In *Ninth International Conference on Learning Representations* (ICLR 2021).
- Tonghan Wang, **Heng Dong**, Victor Lesser, Chongjie Zhang. “ROMA: Multi-Agent Reinforcement Learning with Emergent Roles”. In *Thirty-seventh International Conference on Machine Learning* (ICML 2020).

HONORS AND AWARDS

- Interdisciplinary Information Institute Scholarship - *Sep. 2022*
- Huiyan Scholarship of Excellence - *Sep. 2021*
- Outstanding Undergraduate Thesis Award - *Jun. 2020*
- Scholarship for HUA Xia Talent Program (top 30) *Aug. 2017 - Jul. 2020*
- Bronze scholarship for Excellent student - *Oct. 2018*
- Bronze scholarship for Excellent student - *Oct. 2017*
- Silver scholarship for Excellent student - *Oct. 2016*

REVIEWER ACTIVITIES

- **NeurIPS 2023** Thirty-seventh Conference on Neural Information Processing Systems
- **ICML 2023** Fortieth International Conference on Machine Learning

- **ICLR 2023** The Eleventh International Conference on Learning Representations
- **NeurIPS 2022** Thirty-sixth Conference on Neural Information Processing Systems
- **ICML 2022** Thirty-ninth International Conference on Machine Learning
- **ICLR 2022** The Tenth International Conference on Learning Representations

RESEARCH EXPERIENCE

- **Research on Reinforcement Learning** THU, Beijing, China
Ph.D. Student Sep. 2020 - Present
 - Supervisor: Prof. Chongjie Zhang and Prof. Yi Wu
 - Multi-Agent, Reinforcement Learning, Modular RL, Robot Design
- **Research on Multi-Agent Systems** THU, Beijing, China
Intern Sep. 2019 - Jul. 2020
 - Supervisor: Prof. Chongjie Zhang
 - Role-Oriented Multi-Agent Systems, Self-Interested Agents
- **Research on Knowledge Graph of Intelligent Healthcare** USTC, Hefei, China
Lab Research Work Sep. 2018 - Jun. 2019
 - Advisor: Prof. Tong Xu
 - Intelligent Healthcare based on Knowledge Graph from electronic medical records

OTHER EXPERIENCE

- **Teaching Assistant** Artificial Intelligence: Principles and Techniques, Fall, 2021