

Hongcheng Wang

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Education

Sep 2018 - Jul 2022
Peking University
Major in Intelligence Science and Technology (Bachelor)
Courses: Mathematical Analysis, Advanced Algebra, Probability Statistics, Introduction to Machine Learning

Sep 2019 - Jul 2022
Peking University
Minor in Psychology (Bachelor)
Courses: General Psychology, Social Psychology, Experimental Psychology, Psychological Statistics

Sep 2022 - Present
Peking University
Computer Applied Technology (Doctoral Student)
Supervised by Assistant Professor Hao Dong.
Courses: Vision and Language, Computational Vision, Deep Reinforcement Learning, Robot Vision and Learning

Work Experience

Jul 2021 - Nov 2021
Kwai
AI Platform Internship

Nov 2022 - Present
Beijing Academy of Artificial Intelligence
Robot Manipulation Internship

Publications

- Find What You Want: Learning Demand-conditioned Object Attribute Space for Demand-driven Navigation.
Hongcheng Wang, Andy Guan Hong Chen, Xiaoqi Li, Mingdong Wu, Hao Dong.
Accepted to Neural Information Processing Systems 2023
- Learning Semantic-Agnostic and Spatial-Aware Representation for Generalizable Visual-Audio Navigation
Hongcheng Wang*, Yuxuan Wang*, Fangwei Zhong, Mingdong Wu, Jianwei Zhang, Yizhou Wang, Hao Dong
Accepted to The IEEE Robotics and Automation Letters 2023
- Plan4MC: Skill Reinforcement Learning and Planning for Open-World Minecraft Tasks
Haoqi Yuan, Chi Zhang, Hongcheng Wang, Feiyang Xie, Penglin Cai, Hao Dong, Zongqing Lu
Under review

Professional Services

ICRA 2024 Reviewer, Oct 2023