Yuanpei Chen

PRESENT ADDRESS
Dormitory of SCUT
Guangzhou, GuangDong 12180
(518) 274-1234

CONTACT INFOMATION
mobile: +86 15220822087
E-mail: ctypchen@mail.scut.edu.cn

WEBSITE

Personal Website https://cypypccpy.netlify.app

Github https://github.com/cypypccpy

INTERESTIS

Computer vision, Simultaneous Localization and Mapping (SLAM), Reinforcement Learning, Imitation Learning, Robotic, Sim-to-Real Transfer, Meta Learning

EDUCATION

South China University of Technology, Guangzhou, Guangdong
Bachelor of Engineering, Intelligent Construction, May 2019
G.P.A. 3.4/4.0

PUBLICATION

S. Gu, J. G. Kuba, **Y. Chen** et al., "Safe Multi-Agent Reinforcement Learning for Multi-Robot Control", Journal of Artificial Intelligence (**AIJ**), 2022, **Under Review**.

Y. Chen et al., "Zero-Shot Sim-to-Real Transfer of Reinforcement Learning Framework for Robotics Manipulation with Demonstration and Force Feedback", IEEE International Conference on Advanced Robotics and Mechatronics (**ICARM**), 2022, **Accepted**.

EXPERIENCE

Team Member Institute for Artificial Intelligence, Peking University Summer 2022-Present

As a member of the Peking University Multi Agent Reinforcement Learning Group (PKU-MARL) supervised by Prof.Yaodong Yang. I am doing reinforcement learning and robotics research in PKU-MARL group, details can be found on https://github.com/PKU-MARL/DexterousHands. The relevant results are going to be submitted at the NeurIPS 2022 conference.

Team Member School of Automation, SCUT & Bristol Teleoperation Group Summer 2021-Present

As a member of the Prof.Chenguang Yang's group, responsible for the development of robot learning. I have applied reinforcement learning, imitation learning in manipulation and combined learning and control theory during this period.

Team Member Robotics Laboratory, SCUT Summer 2020-Present

As a member of the vision group, responsible for the development of robotics vision. I have applied SLAM, 3D perception, decision and motion planning in a robotic arm and a Automated Guided Vehicle during this period.

AWARDS

Honor Prize in the American College Students Mathematical Contest in Modeling, Feb 2021
Third Prize in the ICRA 2021 DJI RoboMaster University AI Challenge, Xi'An, June 2021
Second Prize in the Final of Huawei Embedded Software Competition,Dong Guang, July 2021
First Prize in the DJI RoboMaster University Championship, Shen Zhen, July 2021

PROFESSIONAL SKILLS

Programming

C++, Python, MatLab

Frameworks

PyTorch, ROS, MuJoCo, PyBullet, IsaacGym