

CHONGKAI GAO

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EDUCATION

Department of Automation, Tsinghua University, Beijing, China

Master in Engineering

2020 ~ present

Advisor: Feng Chen

Department of Automation, Tsinghua University, Beijing, China

Bachelor in Engineering

2016 ~ 2020

RESEARCH INTEREST

Robot Learning, Imitation Learning, Machine Learning, Reinforcement Learning

PUBLICATIONS

[1] **Transferring Hierarchical Structure with Dual Meta Imitation Learning**

Chongkai Gao, Yizhou Jiang, and Feng Chen

preprint, 2021

[2] **CRIL: Continual Robot Imitation Learning via Generative and Prediction Model**

Chongkai Gao, Haichuan Gao, Shangqi Guo, Tianren Zhang, and Feng Chen

IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS**), 2021

EXPERIENCES

Automatic Garbage Picking Robot, Beijing, China

Team Member

2021.3 ~ 2021.5

Advisor: Feng Chen

Design an intelligent moving robot system loaded with two Kinova Gen3 arms using ROS to grasp various kinds of trash in the room, pour water, screw the cap, and sponge different objects.

Viterbi School of Engineering, University of Southern California, Los Angeles, USA

Visiting Student at Interaction Lab

2019.6 ~ 2019.8

Advisor: Maja Mataric

Using orthoses and QTrobot to help children with dystonia express nonverbal intentions.

International Aerial Robotics Competition, Kunming, Yunnan, China

Team Member

2019.9

Advisor: Geng Lu

Design drones with PX4 flight control system to accomplish diverse kinds of missions in the International Aerial Robotics Competition 2019.

HONORS

Comprehensive Excellence Award, Tsinghua University (3/173)

10/2019

Scientific and Technological Innovation Award, Tsinghua University

10/2019

Philobiblion Scholarship, Tsinghua University

10/2019

Excellence award in social practice, Tsinghua University (3/173)

09/2017

Third Place Award, Southern California Software Pioneer Hackathon

07/2019

Best Team Culture Award, International Aerial Robotics Competition (Asia-Pacific Venue)

08/2019