

Chao Zhao

Education

- 2020–present **Ph.D. in Electronic and Computer Engineering, The Hong Kong University of Science and Technology (HKUST).**
◦ Supervised by Prof. Qifeng Chen;
- 2017–2019 : **MSc by Research, School of Computer Science, University of Birmingham.**
◦ Supervised by Prof. Jeremy Wyatt and Prof. Ales Leonardis.
- 2013–2017 : **Bachelor in Computer Science, University of Electronic Science and Technology of China (UESTC).**
◦ Outstanding undergraduate dissertation award;

Publications

⁺ for corresponding author, ^{*} for co-first authorship,

Journal Articles

- 2023 **Chao Zhao**^{*,+}, Shuai Yuan^{*}, Chunli Jiang, Junhao Cai, Hongyu Yu, Michael Yu Wang, and Qifeng Chen. A embodied representation and reasoning architecture for long-horizon manipulation tasks. *IEEE Robotics and Automation Letters (RA-L)*, 2023.
- 2022 **Chao Zhao**⁺, Chunli Jiang, Junhao Cai, Hongyu Yu, Michael Yu Wang, and Qifeng Chen. Learn from intents: Learn to grasp via intention discovery and its application to challenging clutter. *IEEE Robotics and Automation Letters (RA-L)*, 2022.
- 2022 Rusen Aktas, **Chao Zhao**, Marek Kopicki, Ales Leonardis, and Jeremy L Wyatt. Deep dexterous grasping of novel objects from a single view. *International Journal of Humanoid Robotics*, 2022.

Conference

- 2023 **Chao Zhao**^{*}, Chunli Jiang^{*}, Junhao Cai, Hongyu Yu, Michael Yu Wang, and Qifeng Chen. Flipbot: Learning continuous paper flipping via coarse-to-fine exteroceptive-proprioceptive exploration. *IEEE International Conference on Robotics and Automation (ICRA)*, 2023.
- 2022 **Chao Zhao**^{*,+}, Zhekai Tong^{*}, Juan Rojas, and Jungwon Seo. Learning to pick by digging: Data-driven dig-grasping for bin picking from clutter. *IEEE International Conference on Robotics and Automation (ICRA)*, 2022.
- 2022 **Chao Zhao**⁺ and Jungwon Seo. Learn from interaction: Learning to pick via reinforcement learning over challenging clutter. *IEEE International Conference on Intelligent Robots and Systems (IROS)*, 2022.

Working Experience

- 2019 – 2020 **Research engineer at the China Telecom Research (中国电信北京研究院).**

Teaching Assistantship

- Fall, 2021 : **COMP4471: Deep Learning in Computer Vision**, HKUST CSE.
- Spr, 2021 : **IOTA5101: Fog/Edge/Cloud Computing for IoT**, HKUST ECE.

Reviewer: **IEEE/RSJ International Conference on Intelligent Robots and Systems**, 2023.