

# Ying Yuan

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NSH 4124, Carnegie Mellon University, Pittsburgh, USA

## EDUCATION

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<b>Carnegie Mellon University, Pittsburgh, USA</b> Ph.D. in Robotics (Advisor: David Held)	2024.08 - Present
<b>Tsinghua University, Beijing, China</b> Bachelors of Engineering in Computer Science (Yao Class), GPA: 3.95/4.00 (5/76)	2020.09 - 2024.06

## PUBLICATIONS

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<b>Generalizable Humanoid Manipulation with Improved 3D Diffusion Policies.</b> Yanjie Ze, Zixuan Chen, Wenhao Wang, Tianyi Chen, Xialin He, <b>Ying Yuan</b> , Xue Bin Peng, Jiajun Wu. <i>arXiv preprint arXiv:2410.10803</i>	2024
<b>Lessons from Learning to Spin “Pens”.</b> Jun Wang*, <b>Ying Yuan*</b> , Haichuan Che*, Haozhi Qi*, Yi Ma, Jitendra Malik, Xiaolong Wang. <i>CoRL 2024</i>	2024 Poster
<b>Robot Synesthesia: In-Hand Manipulation with Visuotactile Sensing.</b> <b>Ying Yuan*</b> , Haichuan Che*, Yuzhe Qin*, Binghao Huang, Zhao-Heng Yin, Kang-Won Lee, Yi Wu, Soo-Chul Lim, Xiaolong Wang. <i>ICRA 2024, NeurIPS 2023 Workshop WTP</i>	2024 Poster
<b>Robot Generating Data for Learning Generalizable Visual Robotic Manipulation.</b> Yunfei Li*, <b>Ying Yuan*</b> , Wei Fu, Jiaxuan Gao, Zekai Xu, Yi Wu. <i>IROS 2024</i>	2024 Poster
<b>Self-Generating Data for Goal-Conditioned Compositional Problems.</b> <b>Ying Yuan</b> , Yunfei Li, Yi Wu. <i>ICLR 2023 Workshop RRL</i>	2023 Poster

## HONORS AND AWARDS (SELECTED)

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Honored Graduate of Yao Class	2024
Yao Award (Recognition Prize, for recognizing the outstanding performances of selected junior students)	2023
School-level Scholarship (in total 30,000 CNY)	2021-2023
Scholarship for Tsinghua School Talent Training Program (in total 15,000 CNY)	2021-2023

## SERVICE

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<b>Conference Reviewing:</b>	ICRA (2025), IROS (2024), NeurIPS Workshop WTP (2024)
<b>Volunteering:</b>	CMU 5K Pretty Good Race halfway turnaround crew (2024)

## PROFESSIONAL EXPERIENCE

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<b>Fourier Intelligence</b> Research intern on humanoid bimanual manipulation	2024.05-2024.07
<b>UC San Diego</b> Research intern advised by Xiaolong Wang	2023.02-2023.08
<b>Shanghai Qi Zhi Institute</b> Research intern advised by Yi Wu	2022.06-2023.01

## TECHNICAL SKILLS

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<b>Languages:</b>	English (Fluent, TOEFL 116, GRE 331+4.0); Chinese (Native)
<b>Programming languages:</b>	Python, C++, MATLAB, Verilog
<b>Libraries and tools:</b>	Pytorch, TensorFlow, Git, LaTeX, Kubernetes, Docker

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