

Chuye Zhang

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Education

Southern University of Science and Technology <i>Bachelor in Robotics Engineering</i>	<i>Sep 2021 - July 2025</i>
<ul style="list-style-type: none"> GPA: 3.88/4.0, Rank: 1/67 	
University of Pennsylvania <i>International Guest Student</i>	<i>Jan 2024 - May 2024</i>
<ul style="list-style-type: none"> GPA: 4.0/4.0 	
Georgia Institute of Technology <i>Master of Science in Robotics</i>	<i>Aug 2025 - Present</i>

Research Experience

Task-Agnostic Pose Estimation in Robotic Table-top Manipulation <i>CoRL 2025</i>	<i>SUSTech CLEAR Lab</i> 🔗 <i>Sep 2024 - Aug 2025</i>
Collaborative Interface for Language Model Powered Robots <i>RSS workshop 2024</i>	<i>UPenn GRASP Lab</i> 🔗 <i>Apr 2024-July 2024</i>
Overconstrained Robot Locomotion <i>IEEE ReMAR 2024</i>	<i>SUSTech BionicDL Lab</i> 🔗 <i>Apr 2023-Feb 2024</i>
Mapping, Tracking, and Navigating in Unbounded Urban Environments <i>Journal of Field Robotics(3rd revision submitted)</i>	<i>SUSTech CLEAR Lab</i> 🔗 <i>Jul 2022-May 2023</i>

Publications

- Chuye Zhang*, Xiaoxiong* Zhang, Linfang Zheng, Wei Pan, Wei Zhang, Generative Visual Foresight Meets Task-Agnostic Pose Estimation in Robotic Table-top Manipulation, CoRL September 27 - 30 2025, Seoul, Korea, [openreview\(currently prviate\)](#) [🔗](#)
- Chuye Zhang*, Yifei Simon Shao*, Harshil Parekh, Junyao Shi, Pratik Chaudhari, Vijay Kumar, Nadia Figueroa, Don't Yell at Your Robot: Physical Correction as the Collaborative Interface for Language Model Powered Robots, Generative Modeling meets HRI - RSS'24 Workshop, <https://arxiv.org/abs/2412.12602> [🔗](#)
- Yenan Chen#, Chuye Zhang#, Pengxi Gu#, Jianuo Qiu, Jiayi Yin, Nuofan Qiu, Guojing Huang, Bangchao Huang, Zishang Zhang, Hui Deng, Wei Zhang, Fang Wan*, and Chaoyang Song* (2024). "Evolutionary Morphology Towards Overconstrained Locomotion via Large-Scale, Multi-Terrain Deep Reinforcement Learning." IEEE/IFToMM International Conference on Reconfigurable Mechanisms and Robots (ReMAR2024). Chicago, USA, 24-27 June 2024, <https://arxiv.org/abs/2407.01050> [🔗](#)
- Tingxiang Fan, Bowen Shen, Yinqiang Zhang, Chuye Zhang, Lei Yang, Hua Chen, Wei Zhang, Jia Pan, S2MAT: Simultaneous and Self-Reinforced Mapping and Tracking in Dynamic Urban Scenariosorcing Framework for Simultaneous Mapping and Tracking in Unbounded Urban Environments (First Revision Submitted to Journal of Field Robotics on November 7, 2024), <https://arxiv.org/abs/2304.14356> [🔗](#)

Selected Awards

Outstanding Undergraduate Thesis Award, SUSTech MEE Department	2025
Outstanding Student Scholarship for the 2022-2023 Academic Year, SUSTech	2023
Outstanding Student Scholarship for the 2021-2022 Academic Year, SUSTech	2022
First Prize in Mechanical Product Digital Design Competition	2023
Advanced Individual in Alma Mater Revisiting Program	2022