

Tianqi Zhang

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Education

Tsinghua University

Sep 2021 - Jul 2025

Weiyang College

Mathematics and Physics & Measurement Control Technology and Instruments

- Overall GPA: 3.80/4.00
- TOEFL: 105 (R27+L29+S23+W26)
- Relevant Courses: Data Structure(A), Convex Optimization(A-), Artificial Neural Network(A-), Probability Theory(A-), Statistical Inference(A), Modern Operating Systems(A-), Introduction to Artificial Intelligence(A-), Analytical Mechanics(A)

Research Interests

- Foundation Models
- Robotics

Publications (* denotes equal contribution)

- Predictive Lagrangian Optimization for Constrained Reinforcement Learning
Tianqi Zhang*, Puzhen Yuan*, Guojian Zhan*, Ziyu Lin, Yao Lyu, Zhenzhi Qin, Jingliang Duan, Liping Zhang, Shengbo Eben Li
CDC, 2025
- Physics-Aware Robotic Palletization with Online Masking Inference
Tianqi Zhang, Zheng Wu, Yuxin Chen, Yixiao Wang, Boyuan Liang, Scott Moura, Masayoshi Tomizuka, Mingyu Ding, Wei Zhan
ICRA, 2025, Best Paper in Automation
- DiffusionTracker: End-to-End Dense 3D Point Tracking with Diffusion Models
Tianqi Zhang, Wenzhao Zheng, Zhengyang Huang, Ziyi Wang, Weiliang Chen, Jie Zhou, Jiwen Lu
submitted to NeurIPS, 2025

Skills

Programming Languages: C/C++, Python, Java, MATLAB, Verilog, SystemC

Honors & Awards

- 2024 Science and Technology Innovation Merit Scholarship
- 2023 Comprehensive Merit Scholarship
- 2023 Science and Technology Innovation Merit Scholarship
- 2022 Science and Technology Innovation Merit Scholarship