

# 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

- Predictive Lagrangian Optimization for Constrained Reinforcement Learning  
**Tianqi Zhang**, Puzhen Yuan, Guojian Zhan  
*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