

## ZHENGFEI ZHANG

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### EDUCATION

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#### TSINGHUA UNIVERSITY, SCHWARZMAN COLLEGE

Beijing, China  
2025

##### Master of Global Affairs

- Selected as one of 150 global leaders (4,000+ applications) on prestigious Schwarzman Scholars.
- Working thesis: A Text-Based and Qualitative Analysis of Chinese Climate Policy.

#### TSINGHUA UNIVERSITY

Beijing, China  
2020-2024

##### Bachelor of Science (B.Sc), win Honors in Mechanics, Tsien's Excellence in Engineering Program

- Specialized in Mechanics and Computer Science, awarded a degree of honors (6 students in Tsien's Class)

### PUBLICATION

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- [1] **Zhengfei Zhang**, Kishan Panaganti, Laixi Shi, Yanan Sui, Adam Wierman, and Yisong Yue. "Distributionally Robust Constrained Reinforcement Learning under Strong Duality." *Reinforcement Learning Journal*, vol. 4, 2024, pp. 1793–1821.
- [2] **Zhengfei Zhang**, Yunyue Wei, Yanan Sui. "An invariant information geometric method for high-dimensional online optimization." *Proceedings of the 6th Annual Learning for Dynamics & Control Conference*, in *Proceedings of Machine Learning Research*, vol 242:641-653, 2024.

### RESEARCH VISIT AND EXPERIENCE

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#### ZHIPU AI

Beijing, China

*Machine Learning Intern (in Large Language Model)*

June 2024 - present

- Working on finetuning the Large Language Model (LLM) via reinforcement learning to train capable LLM agents.

#### CALIFORNIA INSTITUTE OF TECHNOLOGY

Pasadena, California, US

*Visiting Undergraduate Researcher, Computer Science*

Sept 2023 – March 2024

- Worked on reinforcement learning (in sustainability system), mentored by Prof. Yisong Yue and Prof. Adam Wierman.

#### X-CAMP ACADEMY

San Jose, California, US

*Chief Teaching System Architect*

Dec 2022 - present

- Established a scalable mechanism for feedback gathering and self-correction of the teaching system.

*Senior Coach*

April 2021 - Present

- Coached dozens of students entering the US national camp and the US national team of informatics.

#### TSINGHUA UNIVERSITY

Beijing, China

*Undergraduate Researcher*

Feb 2022 – Jun 2023

- Worked on human gait analysis and high-dimensional optimization, mentored by Prof. Yanan Sui.

### SELECTED AWARDS AND SCHOLARSHIPS

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|---------------------------------------------------------------------------------------------------------------|------------|
| • Outstanding Graduate in Research, Innovation, and Leadership at Tsien's Class (each awarded to ~3 students) | 2024       |
| • Comprehensive Excellence Scholarship at Tsinghua University (top 10%).                                      | 2021, 2023 |
| • Sports Scholarship, Reading Scholarship, and Social Collaboration Scholarship at Tsinghua University        |            |
| • Silver medal in Long Jump at Tsinghua University                                                            | 2022       |
| • Gold award in International College Programming Contest Asia Regional.                                      | 2021       |
| • Silver award in Asia-Pacific Informatics Olympiad (China Region)                                            | 2019       |

### ADDITIONAL INFORMATION

- **Languages:** Mandarin (Native), English (Proficient), German (Intermediate).
- **Athletics:** Captain, college badminton team; Member, Tsinghua track&field team.
- **Programming:** C++, Python, Pytorch, Keras, R, Latex.
- **Interests:** Badminton, Fashion, Musical, and Writing.