

# Ruizhe Shi

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## Education

**Tsinghua University, Beijing, China**

**Sept. 2021 – Present**

*Undergraduate at Special Pilot Class in Computer Science (Yao class)*

*GPA: 3.93/4.00*

- Major: *Computer Science and Technology*
- Minor: *Chinese Language and Literature*

**University of Washington, Seattle, USA**

**Feb. 2024 – July 2024**

*Research Visitor at Paul G. Allen School of Computer Science*

## Publications & Manuscripts

(\* indicates equal contribution.)

[5] (**ICLR 2025**) **Ruizhe Shi\***, Runlong Zhou\*, Simon S. Du. “The Crucial Role of Samplers in Online Direct Preference Optimization”.[\[link\]](#)

[4] (**NeurIPS 2024**) **Ruizhe Shi**, Yifang Chen, Yushi Hu, Alisa Liu, Hannaneh Hajishirzi, Noah A. Smith, Simon S. Du. “Decoding-Time Language Model Alignment with Multiple Objectives”.[\[link\]](#)

[3] (**ICML 2024**) Chenhao Lu, **Ruizhe Shi\***, Yuyao Liu\*, Kaizhe Hu, Simon S. Du, Huazhe Xu. “Rethinking Transformers in Solving POMDPs”.[\[link\]](#)

[2] (**ICLR 2024**) **Ruizhe Shi\***, Yuyao Liu\*, Yanjie Ze, Simon S. Du, Huazhe Xu. “Unleashing the Power of Pre-trained Language Models for Offline Reinforcement Learning”.[\[link\]](#)

[1] (**NeurIPS 2023**) Yanjie Ze, Yuyao Liu\*, **Ruizhe Shi\***, Jiaxin Qin, Zhecheng Yuan, Jiashun Wang, Huazhe Xu. “H-InDex: Visual Reinforcement Learning with Hand-Informed Representations for Dexterous Manipulation”.[\[link\]](#)

## Research Experiences

**University of Washington (Remote)**

**Feb. 2025 – Present**

*Mentored by Runlong Zhou*

*alignment theory*

**Princeton University (Remote)**

**Dec. 2024 – Feb. 2025**

*Mentored by Dr. Yue Wu*

*alignment theory*

**University of Washington (Seattle, USA)**

**Dec. 2023 – Sept. 2024**

*Supervised by Prof. Simon S. Du*

*alignment theory*

**Tsinghua University (Beijing, China)**

**Mar. 2023 – Jan. 2024**

*Supervised by Prof. Huazhe Xu*

*decision-making & transformer*

## Awards & Honors

**First-level Comprehensive Scholarship**

**Nov. 2024**

*Tsinghua University*

*top scholarship*

**Yao Award (Silver Medal)**

**Sept. 2024**

*IIIS, Tsinghua University*

*top scholarship [\[link\]](#); 3 students institute-wide*

**Jiang Nanxiang Scholarship**

**Nov. 2023**

*Tsinghua University*

*top scholarship; 1 student institute-wide*

**China National Endeavor Scholarship**

**Oct. 2022**

*Beijing Education Bureau*

*1 student institute-wide*

**First Prize in National High School’s Mathematics Competition, Jiangsu Region**

**Oct. 2020**

*Chinese Mathematical Society*

*top 20 province-wide*

## Service

**Conference Reviewer**

*NeurIPS 2024 (Top Reviewer [\[link\]](#)), ICLR 2025, AISTATS 2025, ICML 2025*

**Yao Class Seminar Co-organizer**

**Fall 2024 – Present**

*Co-organize weekly research seminars [\[link\]](#)*

*Tsinghua University*

**Teaching Assistant**

**Fall 2024**

*Natural Language Processing*

*Tsinghua University*

**Voluntary Drop-in Tutoring**

**Oct. 2022 – July 2024**

*Tutor freshmen in basic courses*

*Tsinghua University*

*I have **157** hours of officially recorded volunteering work.*

## Technical Skills

**Programming Skills:** Python, C/C++, L<sup>A</sup>T<sub>E</sub>X, Scala, Matlab.

**Language Skills:** Chinese Mandarin (native), English (TOEFL 104 [R30/L26/S23/W25], GRE 327+3.5 [V157/Q170]).