Ruocheng Zhai

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Education

2020 - present Tsinghua University, Beijing, China

B. S. Physics (Expected June 2024)

GPA: [3.86/4.0]

Relevent Coursework: Observational Astronomy, High Energy Astrophysics ...

2017 - 2020 Chongqing Nankai Secondary School, Chongqing, China

Honors and Awards

2023	Visiting Undergraduate Research Program Fellowships, Caltech
2022	Comprehensive Excellence Scholarship, Tsinghua University
2022	Academic Excellence Scholarship, Tsinghua University
2020	Freshman Scholarship, Tsinghua University

Research Experience

2023/07 - 2023/10 VURP Fellow, California Institute of Technology, CA, USA

Search for ZTF microlensing events in DR17 Analyze JWST background field emission lines

Advisors: Shrinivas R. Kulkarni & Charles A. Beichman

2022/01 - 2023/06 Undergraduate Researcher, Tsinghua University, Beijing, China

Analyze KMTNet planetary microlensing events

Advisor: Shude Mao

Presentations and Talks

2023/10 ZTF II 5th Science Meeting, Pasadena, CA

A Systematic Search for Microlensing Events in ZTF DR17

2023/08 Caltech SURF Final Presentation, Pasadena, CA

Progress in Searching for ZTF Microlensing Events

Works

[1] **Zhai, R.**, Rodriguez, A. C., Lam, C. Y., et al. 2023, submitted to ApJ, <u>arXiv:2311.18627</u> *Microlensing Events in Five Years of Photometry from the Zwicky Transient Facility*

Serves and Volunteer

2021/06 - 2022/07 Enrollment volunteers of Tsinghua University at Chongqing

Help high school students learn majors and departments of Tsinghua University.

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Skills

- Languages: English (advanced), Chinese (native).

2021/03 - 2021/07 Outfield Work at Vaccination Spots, Tsinghua University