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

Serves and Volunteer

2021/03 - 2021/07	Outfield Work at Vaccination Spots, Tsinghua University
	Provide outfield services for students at vaccination spots
2020/11 - 2020/12	Group Review, Tsinghua University
	Give lectures to fellow students to help review knowledge for final exams
2020/10 - 2022/04	Campus Services, Tsinghua University
	Clean the campus lawn and activity rooms.
2020/09 - 2021/06	Profound Bond with Alma Mater, Tsinghua University
	Make posters, write articles, and give speeches to solve concerns of high school students.

Skills

- **Programming**: Python (Numpy, emcee, scipy, Jupyter Notebook), C++, Mathematica, Unix/Linux, LaTeX.
- **Languages**: English (advanced), Chinese (native).