

# Yuqian Gui

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GitHub: [github.com/yq-gui](https://github.com/yq-gui)

## EDUCATION

**Department of Astronomy, Tsinghua University**

*Ph.D. student*, Supervisor: Dandan Xu

Beijing, China

2024 - Current

**Zhili College, Tsinghua University**

*B.S. in Physics*, GPA:3.85/4.00

Beijing, China

2020 - 2024

Thesis: *Observational properties of episodic star-forming galaxies*, Supervisor: Dandan Xu

## RESEARCH EXPERIENCE

**Galaxies Evolution in IllustrisTNG**

Mentored by Dandan Xu

Department of Astronomy, Tsinghua University

May. 2023 - Current

- Investigate the episodic star formation histories of star-forming galaxies by using IllustrisTNG-100.

**KMTNet AnomalyFinder Microlensing Planets**

Mentored by Shude Mao

Department of Astronomy, Tsinghua University

Jun. 2022 - Mar. 2024

- Joined “Mass-Production for KMTNet AnomalyFinder Planets” project which analyzes 2016- 2019 microlensing events, and published a paper about 2017 low-cadence events.

## HONORS AND AWARDS

- Graduate with distinction, Beijing Municipal Education Commission 2024
- Tsinghua Scholarship for Comprehensive Excellence, Tsinghua University 2023
- Tsinghua-ICBC Scholarship for Comprehensive Excellence, Tsinghua University 2022
- Excellent Volunteer Scholarship, Zhili College 2022
- Excellent Member of the Communist Youth League, Tsinghua University 2022
- Tsinghua Scholarship for Comprehensive Excellence, Tsinghua University 2021

## PUBLICATIONS

- [1] Y. Gui et al. “Systematic KMTNet Planetary Anomaly Search. XII. Complete Sample of 2017 Subprime Field Planets”. In: 168.2, 49 (Aug. 2024), p. 49. DOI: [10.3847/1538-3881/ad4ce5](https://doi.org/10.3847/1538-3881/ad4ce5).

## TEACHING EXPERIENCE

**Linear Algebra**

*Teaching Assistant*

Tsinghua University

Sept. 2024 - Jan. 2025

**Probability Theory**

*Teaching Assistant*

Tsinghua University

Feb. 2025 - Jun. 2025

## SKILLS

- Programming Language** - Python, C, MATLAB
- Tools** - Solidworks,  $\text{\LaTeX}$
- Language** - Native Chinese speaker, fluent English, entry-level Spanish