



## Contact Information

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## Education

**PhD in Astrophysics** [2025 – Present]  
Sun Yat-sen University, Zhuhai  
Supervised by Professor Shang-Fei Liu  
**BS in Physics** [2021 - 2025]  
Sun Yat-sen University, Zhuhai

## Awards and Grants

Excellent Prize of PKU Undergraduate Astronomy Symposium [2025]  
First Prize of Linbridge Exoplanet Undergraduate Forum [2025]  
SYSU Outstanding Undergraduate Thesis Award [2025]  
SYSU Outstanding Graduate Award [2025]  
National Scholarship for Undergraduate Students [2024]  
SYSU First Prize of Outstanding Student Scholarship [2024]  
SYSU Excellent Innovation and Entrepreneurship Program [2024]  
Third Prize of Linbridge Exoplanet Undergraduate Forum [2024]  
SYSU Second Prize of Outstanding Student Scholarship [2023]  
SYSU Special Scholarship [2022]

## Research Experience

**Dynamics of misaligned circumbinary discs around unequal-mass eccentric binaries: alignment, morphology, and accretion variability** [2024-2025]  
Ruiqi Yang, Jeremy L. Smallwood, Hongping Deng, Ya-Ping Li, Alessia Franchini, Ruobing Dong, Shang-Fei Liu  
**Hydrodynamic Simulation of Protoplanetary Disks** [2023]  
Supervised by Shang-Fei Liu  
**Hydrodynamic Simulation of the Circumbinary Disks** [2023-2024]  
Supervised by Shang-Fei Liu

## Technical Skills

**Programming Languages:** Python, C++, Fortran, MATLAB, Mathematica, Shell Script, HTML  
**Simulation Code:** ATHENA++ (Grid-based), PHANTOM (SPH), REBOUND (N-body), SPLASH (Visual), VisIt (Visual), Paraview (Visual)  
**Documentation and Typesetting:**  $\LaTeX$ , Markdown



## Talks

### Contributed Talks

PKU Undergraduate Astronomy Symposium, Online	[Sep. 2025]
Exoplanets & Planet Formation Workshop, Kunming, China	[Aug. 2025]
The Frontier Symposium on Planetary Science and Deep Space Exploration of the Chinese Astronomical Society & 2024 Annual Academic Conference, Xiamen, China	[Dec. 2024]
National Planetary Science conference, Naging, China	[Oct. 2024]
Exoplanet Group Meeting of SYSU, Zhuhai, China	[Oct. 2024]
Protoplanetary Disk and Planet Formation Summer School & Workshop, Beijing, China	[Aug. 2024]
Linbridge Exoplanet Forum, Zhuhai, China	[Jul. 2024]
Code/Astro 2024 workshop, Online	[Jul. 2024]

### Posters

International Conference on Exoplanets and Planet Formation, Shanghai, China	[Dec. 2025]
SYSU Excellent Innovation and Entrepreneurship Program, Zhuhai, China	[Nov. 2024]

## Extracurricular Activities (selected)

Committee Member, Astronomy Club, SYSU	[2021-Present]
Zhongzhu Cup Tennis Match of SYSU, Quarterfinal	[May. 2024]
Vice captain of the running team, SPA, SYSU	[2023-2024]
Captain of the running team, SPA, SYSU	[2022-2023]
Finished 2023 Zhaoqing Half-Marathon	[Nov. 2023]
Finished 2023 Jiangmen Half-Marathon	[Dec. 2023]

## Volunteer Experiences (selected)

I volunteered at the China Science and Technology Museum, providing guidance and answering questions for visitors.	[Aug. 2024]
I took part in the astronomy outreach activity at Beijing Normal University Zhuhai campus, introducing astronomy knowledge to students from other majors.	[Apr. 2024]
I participated in the public outreach activity in Zhuhai, where I explained astronomical knowledge to children in the community.	[Oct. 2022]