

YANHUI YANG

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EDUCATION

PhD Program in Astronomy University of California, Riverside Sep 2022–current
Cumulative GPA: 4.0/4.0

BS in Astronomy University of Science and Technology of China July 2021
Wang Shouguan Talent Program in Astronomy
Cumulative GPA: 3.74/4.3, Major GPA: 3.93/4.3 (Physics & Astronomy courses)

RESEARCH EXPERIENCE

Project 1 *Radiative turbulent mixing layers at high Mach numbers* (Published in MNRAS)
California Institute of Technology (remote); Shanghai Astronomical Observatory, Chinese Academy of Sciences
Mentored by [Suoqing Ji](#) and [Philip F. Hopkins](#) Summer 2020–Summer 2022

Project 2 *Hydrodynamic simulations of turbulent mixing layers of galactic winds* (Bachelor's Dissertation)
California Institute of Technology (remote), University of Science and Technology of China
Mentored by [Suoqing Ji](#) and [Xu Kong](#) Winter 2020–Spring 2021

Project 3 *Numerical simulations for estimating the number density of direct-collapse seed black holes* (exploration of methods)
Yunnan Observatories, Chinese Academy of Sciences
Mentored by [Xiaobo Dong](#) Summer 2019

SKILLS

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| Languages | C, Python (numpy, matplotlib, yt, etc.), Fortran, HTML, CSS, Markdown, L ^A T _E X |
| Simulation codes | FLASH, GADGET, RAMSES |
| Tools | Git, Mathematica, Origin, Gnuplot, IDL, ds9 |

VISITS

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| Shanghai Astronomical Observatory, Chinese Academy of Sciences | Jan. 2020 |
| Five-hundred-meter Aperture Spherical Telescope (FAST) | July 2019 |

AWARDS & HONORS

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|---|------|
| NAOC Scholarship (National Astronomical Observatories, Chinese Academy of Sciences) | 2020 |
| National Encouragement Scholarship | 2020 |
| Outstanding Student Scholarship (Grade 3) | 2019 |
| Zhang Zongzhi Sci-Tech Scholarship | 2018 |

PUBLICATIONS

Please refer to [NASA/ADS](#) for a complete list of my publications.