

# YANHUI YANG

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## EDUCATION

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**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)

## SKILLS

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**Languages** C, Python (numpy, matplotlib, yt, etc.), Fortran, HTML, CSS, Markdown, L<sup>A</sup>T<sub>E</sub>X

**Simulation codes** FLASH, GADGET, RAMSES

**Tools** Git, Mathematica, Origin, Gnuplot, IDL, ds9, AutoCAD, ZEMAX, Labview

## RESEARCH EXPERIENCE

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**Project 1** *Radiative turbulent mixing layers at high Mach numbers*

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 Thesis)

California Institute of Technology (remote), University of Science and Technology of China

Mentored by [Suoqing Ji](#) [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

[Xiaobo Dong](#)

Summer 2019

## INTERNSHIPS

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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