

## EDUCATION

### University of Science and Technology of China

**Major:** Astronomy/Astrophysics

**School:** School of Physical Sciences

Wang Shouguan Talent Program in Astronomy

August 2017 - present

## RESEARCH EXPERIENCES & Supervisors/Referees

*Hydrodynamic simulations of turbulent mixing layers of galactic winds*

**California Institute of Technology**

Summer 2020

Mentored by

**Suoqing Ji** suoqing@caltech.edu

**Philip F. Hopkins** phopkins@caltech.edu

*The formation of seed black holes*

**Yunnan Observatories, Chinese Academy of Sciences**

July 2019 - June 2020

Mentored by

**Xiaobo Dong** xbdong@ynao.ac.cn

Runyu Meng mry1234@mail.ustc.edu.cn

*Monochromator design* (Course: Astronomical Labs)

**University of Science and Technology of China**

Fall 2019

Mentored by

**Qingfeng Zhu** zhuqf@ustc.edu.cn

## RELEVANT COURSES & GRADES

Major GPA: **4.05**/4.30 (Weighted grade average: **93.13**, from the grades listed below.)

Overall GPA: 3.75/4.30 (For more info, see my transcript including a description of grading system.)

Course Title	Score	Course Title	Score
Introduction to Astromechanics and Astrometry	95	Thermodynamics and Statistical Physics	100
Optics	94	Observational Astronomy	92
Thermal Physics	91	Theoretical Mechanics A	88
Introduction to Astronomy	95	Electrodynamics	93
Atomic Physics	92	Space and Time	90

## VISITS

**Shanghai Astronomical Observatory, Chinese Academy of Sciences**

Jan. 2020

**Five-hundred-meter Aperture Spherical Telescope (FAST)**

July 2019

## AWARDS & HONORS

National Encouragement Scholarship

2020

Outstanding Student Scholarship

2019

Zhang Zongzhi Sci-Tech Scholarship

2018

## SKILLS

Programming languages	<i>C</i> , <i>Python</i> (Numpy, Scipy, Matplotlib, yt), <i>Fortran</i>
Codes for numerical simulations	<i>FLASH</i> , <i>GADGET</i> , <i>RAMSES</i>
Document preparation	<i>Markdown</i> , <i>L<sup>A</sup>T<sub>E</sub>X</i>
Technical computing	<i>Mathematica</i>
Image tools	<i>ds9</i>
Graphing utilities	<i>Origin</i> , <i>Gnuplot</i>
Graphical system design	<i>Labview</i>
Other softwares	<i>AutoCAD</i> , <i>ZEMAX</i> , <i>Gaussian</i>