

EDUCATION

University of Science and Technology of China

Major: Astronomy/Astrophysics

Wang Shouguan Talent Program in Astronomy

School: School of Physical Sciences

August 2017 - present

RESEARCH EXPERIENCE & 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 seeds of supermassive 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: **3.98** (100-Point: **91.77**/100, from the grades listed below.)

Overall GPA: 3.75 (100-Point: 88.17/100 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 |
| Observational Astrophysics | 85 | Introduction to Astrophysics | 86 |

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 (Grade 3)

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^AT_EX</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> |