Yang, Yanhui

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EDUCATION

University of Science and Technology of China
Astronomy/Astrophysics   Wang Shouguan Talent Program in Astronomy
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   Summer 2019
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: **3.90** (100-Point: **90.36**/100, from the courses 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
Quantum Mechanics B	82	Foundation of Stellar Physics	85

VISITS

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

AWARDS & HONORS

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

SKILLS

Programming languages	**C**, **Python**(Numpy, Scipy, Matplotlib, yt), **Fortran**
Codes for numerical simulations	**FLASH**, **GADGET**, **RAMSES**
Document preparation	**Markdown**, **LaTeX**
Technical computing	**Mathematica**
Image tools	**ds9**
Graphing utilities	**Origin**, **Gnuplot**, **IDL**
Graphical system design	**Labview**
Other softwares	**AutoCAD**, **ZEMAX**, **Gaussian**