ZIJUN WANG

✉kanocycleo913@gmail.com ✆(+86)139-556-25020
✉zijun.wang@stud.uni-heidelberg.de✆(+49)1624768013

EDUCATION

Anqing Shuangliansi Primary School, 09.2008-06.2014
Primary School,
Anqing Foreign Language School, 09.2014-06.2017
Junior High School,
Anqing No.1 Middle School, 09.2017-06.2020
Senior High School,
Sun Yat-Sen University, Zhu Hai Campus 09.2020-06.2024
Bachelor of Science, School of Physics and Astronomy, Department of Physics
Ruprecht-Karls-Universität Heidelberg , 04.2025-
Master of Science, Department of Physics and Astronomy, Planned graduate in 2027

GPA & SKILLS

Courses	Theoretical Mechanics(97), Mathematical Methods of Physics(96), Fundamental Astronomy(96), Programming for Physics and Astronomy (91), Optics(92), Electrodynamics(94), Thermodynamics and Statistical Physics(94), General Relativity(93), Quantum Mechanics(91)
GPA	4.220/5.000(92/100) , Rank 5/123
Program Language	C,Python,C++
Language	English CET-6 passed, IELTS 7.0, TOEFL 96; Japanese JLPT N2; Chinese Native Speaker

REWARDS

First Prize, Chinese Physics Olympiad(provincial level) Sept.2019

First Prize, SYSU Scholarship Sept.2021 , Sept.2022

First Prize, Sun Yat-Sen University Physics Tournament(SYSUPT) Nov.2020

First Prize, The 5th Guangzhou University Basic Astronomy Knowledge Competition Nov.2021

Third Prize, National Olympiad in Informatics in Provinces(NOIP) Nov.2018, Nov.2017

RESEARCH EXPERIENCE

Hyperparameter Tuning of CNN for Radio Galaxy Morphology Classification July.2022-2024

Field: Radio Astronomy, Machine Learning
Tutor: Hongming Tang ✉ab0060313@gmail.com
Content:

- Learning to build and run a convolutional neural network model(AlexNet)
- Hyperparameter tuning using random search and K-fold cross-validation

- Identification of the special-shaped(S/X/Z or bent) radio sources
- Write paper "May I trust you?": eXplainable AI for Radio Galaxy Classification (in revision.; co-author)

Publication:

Hongming Tang, Shiyu Yue, **Zijun Wang**, Jizhe Lai, Leyao Wei, Yan Luo, Chuni Liang, Jiani Chu, Dandan Xu. "A model local interpretation routine for deep learning based radio galaxy classification"(Accepted), in URSI GASS 2023, Sapporo, Japan, 19th – 26th Aug. 2023.(submitted; co-author)

Formation and Evolution of Open star clusters. Apr.2023-Present

Field: Stars: kinematics and dynamics, Open clusters and associations: general, Numerical simulation
Tutor: Long Wang ✉*longwang.astro@live.com*
Content:

- Learning to run N-body simulation code(PeTar) under Ubuntu environment
- Using reversed velocity data to explore the original morphology of stellar stream structure
- Write paper Investigation on the Formation history of the stellar stream Meingast1 (in prep.; author)

Publication: in prep.

Others

- Attended the Exoplanets Group Meeting of the school
- Attended 2023 CSST Summer School of Galaxy Sciences
- Attended 2023 CAS-NAOC Summer School