

Wang Haoyu

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HeFei, China

EDUCATION

Anhui Agricultural University, Hefei, China

Sep 2020 - Jun 2024

BEng in Computer Science and Technology

- Average Score: 88.78/100 **IELTS: 7.0** **Comprehensive Ranking: 1/77**

RESEARCH EXPERIENCE

Anhui Beidou Precision Agriculture Information Engineering Research Center (RA)

Jun 2021 - Jun 2024

SCI- MFBP-UNet: A Network for Pear Leaf Disease Segmentation in Natural Agricultural Environments (Online)

- Authored a paper in July 2023 on a pear leaf disease segmentation model using multi-scale feature extraction and dynamic sparse attention.

SCI - Positive-Samples contrastive clustering in single cell RNA-seq data (Revised)

- As the second author on a paper in May 2023, I was responsible for the clustering analysis of single-cell RNA sequencing (scRNA-seq) data and proposed a positive-sample contrastive loss function clustering method.

Patent - Deep Learning-Based MRI Image Recognition Method and Device

- Primary inventor of a patent on a deep learning-based MRI image recognition method developed in February 2023, which enhances diagnostic accuracy by reducing image blurriness.

SRTP Project - Kuan Guard-AIoT-based Smart Water Measurement and Control Machine (National Level)

- In September 2022, I led and applied for a national-level Innovation project. This project aims to develop a full-stack IoT monitoring and emergency response system using AIoT technology.

HONORS AND AWARDS

- The 7th National College Students Physics Experiment Competition - National Second Prize
- The 9th "Huawei Cup" National University IoT Design Competition - National Second Prize
- The 16th China University Student Computer Design Competition - National First Prize
- Anhui Province Big Data and Artificial Intelligence Competition Artificial Intelligence Track - First Prize
- Anhui Big Data and Artificial Intelligence Competition Creative Track - First Prize
- Anhui University Students' Network and Distributed System Innovation Design Competition - Second Prize
- Anhui Internet of Things Application Innovation Competition - Second Prize
- The 16th China University Student Computer Design Competition Anhui Provincial Competition - First Prize
- Anhui University Students' Network and Distributed System Innovation Design Competition - Second Prize
- Provincial Outstanding Graduate of Anhui Province(2024)
- First-Class Scholarship (2022/2023)

WORK EXPERIENCE

- Served as monitor for the Computer Science and Technology major at Anhui Agricultural University for two consecutive years.
- Led the Anhui Agricultural University summer vacation social practice group, receiving 'Excellent Team' and 'Excellent Individual' awards.
- Interned at VWAC from October 2023 to December 2023, responsible for process data analysis in the production department, monitoring energy consumption in the plant, and developing energy-saving strategies for the facility.