



Rui Wang

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EDUCATION

Hefei University of Technology (HFUT)

Sep 2019- pres.

Candidate for Bachelor of Engineering in Computer Science

Concentrations: Artificial Intelligence and Affective Computing

Overall GPA: 3.91/4.30 Ranking: 4/255 CET-6: 508

University of Science and Technology of China (USTC)

Sep 2023

Non-examination postgraduate, majoring in computer technology

PROJECTS

2022.10 - 2023.02 Facial Expression Recognition with FSwin Transformer

Team leader

- Description: Propose a novel model to improve the accuracy of FER and the generalization ability.
- Personal Work: Responsible for the writing of relevant codes and experimental design.
- Achievements: Realize an FER system and achieve SOTA on AFFECTNET, FER2013 and some other datasets.

2022.03 - 2022.06 Wisdom Test Question Generation System for Primary Students

Team leader

- Description: Develop an intelligent test question generation system to choose the difficulty of questions independently.
- Personal Work: Coding and the art optimization of the software interface.
- Achievements: Invention patent, First Prize of the National Digital Media Technology Creative Competition, etc.

2021.06 - 2021.12 Dangerous Area Intrusion Real-time Early Warning System

Team leader

- Description: Integrate multiple intelligent algorithms, such as YOLO-V5 to realize early warning of personnel intrusion.
- Personal Work: Responsible for the implementation of target detection and tracking, face emotion recognition algorithm.
- Achievements: Software copyright, First Prize of Anhui Provincial Big Data and Artificial Intelligence Competition, etc.

INTERN EXPERIENCE

- Institute of AI, Hefei Comprehensive National Science Center Oct 2022- Feb 2023
- Engage in research on affective computing and computer vision. Mentor: **Meng Wang** (IEEE Fellow) .
- One paper is submitted to **IEEE Trans. on Affective Computing** with minor revision.

AWARDS

- Honorable Prize of American College Students Mathematical Contest in Modeling Apr 2021
- First Prize of The National Digital Media Technology Creative Competition Nov 2022
- First Prize of Anhui Provincial Mathematical Contest in Modeling Competition Oct 2022
- First Prize of Anhui Provincial Big Data and Artificial Intelligence Competition Sep 2022
- Grand Prize of Anhui Provincial "Internet +" Innovation Competition Aug 2022
- **National Scholarship, Huawei Smart Dock Scholarship** 2019-2022

SELF-EVALUATION

- Familiar with **Python, SQL** and **C**, can code based on **PyTorch&TensorFlow**. Have a good grasp of common **data structures** and algorithms.
- Member of the Key Laboratory of Affective Computing in Anhui Province, with rich research experience.