Runze Li

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EDUCATION

Tianjin University   **2019.09—2023.07**
Computer Science and Technology   *Undergraduate*
GPA: 3.65/4.0

PROFESSIONAL SKILLS

- Programming Languages: C/C++/Python/Java
- Developing Tools: Linux/Git/VsCode
- Language Skills: CET-4: 568 / CET-6: 507 / TOEFL: 78

SCIENTIFIC RESEARCH EXPERIENCE

Improved Video-Swin-Transformer

Lab of Machine Learning and Data Mining, Tianjin University   **2021.08—now**
The visual recognition task is based on PyTorch and developed in Python
- The project is based on existing Video-Swin-Transformer and improves its performance
- The MLP is modified by replacing the two-layer feedforward neural network with dimension transformation and matrix multiplication to improve the accuracy of recognition

PROJECT EXPERIENCE

Analysis of Cosmetics Industry

2022 Winter exchange program in Oxford University   **2022.01—2022.03**
The project is based on machine learning algorithms and developed in Python
- The project performed a correlation analysis of the mixtures of different chemicals used in each of the perfumes provided
- The project conducts a preference analysis on the feedback of the trial participants

Voice Electronic Photo Album

2021 Xiaomi Camp   **2020.08—2020.10**
Album based on MACE mobile deep learning framework, using Java
- The project can realize the functions of photographing, recording, speech recognition and object recognition

Paper Review and Sharing System

National College Students' innovation and entrepreneurship training program   **2020.04—2021.06**
A paper review and sharing system designed to provide highly matched papers   *Team member*
- This program is based on Django framework and related data storage combined with MySQL database
- Machine learning is used to analyze the semantics of papers and depict user portraits to achieve accurate push

TJU-TCP

Computer network course practice   **2021.08—2021.09**
TCP/IP protocol stack based on UDP
- This program is based on RFC documentation
- TCP standards such as reliable data transmission, congestion control and so on

LEADERSHIP EXPERIENCE

Student Union, CIC, TJU   **2019.09—2021.06**
                                                                            Organization Department

- Responsible for sorting out relevant documents

Student Association Committee, CIC, TJU   **2020.09—2021.06**
                                                                            Social Practice Office

- Organize and carry out evaluations of social practice

Class 8, Grade 2019, CIC, TJU   **2019.09—2020.12**
                                                                            Vice Monitor

AWARDS

2021.11: First Prize in Tianjin, 2021 Contemporary Undergraduate Mathematical Contest in Modeling
2020.12: 2020 Summer social practice municipal excellent practice team in Tianjin University
2020.10: Merit Student of Tianjin University 2019-2020