

Zhihao Chen

Beijing Information Science and Technology University
Computer School | Software Engineering



Basic Information

Gender: Male Grad: Junior Tel: 13982058834 E-mail: 2021011561@bistu.edu.com
GPA : 90.81/100 Rank: 2/332 (top 3%)

Research Experience

Accepted Papers

- [1] **Zhihao Chen**, Ke Niu, Yiyuan Ge, Part-Attention Based Model Make Occluded Person Re-Identification Stronger, IJCNN(**Oral**), IEEE Index, CCF C
- [2] **Zhihao Chen**, Yiyuan Ge, Ji Zhang, et al, Multi-branch Person Re-identification Net, ICICML(**Oral**), IEEE Index
- [3] Ji Zhang, **Zhihao Chen**, Minxing Yu, et al. Multi-branch Person Re-identification Net, ICICML(Poster), IEEE Index
- [4] Yiyuan Ge, Ji Zhang, **Zhihao Chen**, et al. End-to-End Person Search Based on Content Awareness, ICICML(Poster), IEEE Index
- [5] Yiyuan Ge, Ke Niu, **Zhihao Chen**, et al. Lightweight Traffic Sign Recognition Model Based on Dynamic Feature Extraction, ICAI(**Oral**), EI Index

Papers Under Review

- [1] **Zhihao Chen**, Yiyuan Ge. Nowhere to Hide: Deep-feature Reconstruction Disentanglement Cloth-Changing Person Re-Identification, ECCV, IEEE Index, CCF B
- [2] Yiyuan Ge, **Zhihao Chen(build euqal)**, et al. MambaTSR You Only Need 90k Parameters for Traffic Sign Recognition, Neurocomputing, JCR Q2, CCF C
- [3] Yiyuan Ge, MingXing Yu, **Zhihao Chen**, et al. Attention-Enhanced Controllabel Disentanglement for Cloth-Changing Person Re-identification, IDA, JCR Q3, CCF C
- [4] **Zhihao Chen** and Yiyuan Ge. "Occluded Cloth-Changing Person Re-Identification." (2024).

Exchange Experience

1. Served as a reviewer for the ICME (CCF B) conference. (2024.1)
2. Participation in the University of Missouri Artificial Intelligence Summer Exchange Programme. (2023.7)

Award Certificate

- 2023 Huawei Rise AI Innovation Competition National Finals Bronze Award and Prize of RMB 20,000 (National Level)
- Third Prize in Data Management System Design Competition of the 2023 National Student Computer System Proficiency Competition (National Level)

Anything Important

- In 2024/03, we used mamba for the first time in the field of traffic sign recognition, with a model parameter count of only 90K, which outperforms the traditional CNN as well as the Transformer method and breaks through the limitation of the parameter count on the accuracy in TSR.
- In 2024/02, we proposed the new task of occluded cloth-changing pedestrian re-identification, making the field of pedestrian re-identification more comprehensive and contributing two new datasets.