Feiran Li

https://ferry-li.github.io
Email: feiran_li@cumt.edu.cn
Tel: (+86) 152-5201-2127
Address: 1 University Road, Xuzhou, Jiangsu, China

Education

Sept. 2019 - Jun. 2023 Undergraduate in Department of Computer Science and Technology, China University of Mining and Technology, China

Profession skills

- Academic records: Rank 2/133, GPA 4.35/5.00
- English: CET-6 618, Speaking level: A
- Programming: Python, C++, Matlab
- Core courses:

Advanced Math (92.25 on average)	Linear Algebra (100)
Probability & Statistics (94)	Discrete Math (98)
Operating System (98)	Computer Network (97)
Algorithms (93)	Principles of Computer Organization (97)

Selected Honors

Scholarships

- National Scholarship 2021
- HUAWEI Intelligence Base Scholarship 2021
- National Scholarship 2020

Awards

- HUAWEI DIGIX Campus Algorithm Competition, Jiangsu Province, Winning Award 2021.12
- Mathematical Modeling Contest of Huashu Cup, Second Prize 2021.08
- National English Competition, Second Prize 2020.12
- Programming Contest of CUMT, First Prize 2020.06

Experiences

Nov. 2021 - Present	(a) Researches on micro-expression recognition. To further explore the relevance of subtle changes of facial muscle movements, we combine the Action Unit Detection and micro-expression Recognition, with an adversarial identity recognition module to get insensible to ID information. We have achieved excellent performance on CASME II and SAMM, and the paper is under writing. (b) Researches on AU detection and optical flow estimation.
Jul. 2021 - Aug. 2021	Experiments on menu recognition (DIGIX Algorithm Contest Channel 5) Make data augmentation and use end-to-end and two-stage(detection and recognition) models from Github.
Oct. 2020 - Nov. 2020	Cooperation project on clustering with other schools Implement SOM completely by Matlab, and make it visualization.

Main Publications

- Z. Shao, Z. Liu, J. Cai, and L. Ma. "Jaa-net: joint facial action unit detection and face alignment via adaptive attention," International Journal of Computer Vision (IJCV), vol. 129, no. 2, pp. 321-340, 2021. (CCF A, CAS Q1)
- Z. Shao, H. Zhu, J. Tang, X. Lu, and L. Ma. "Explicit facial expression transfer via fine-grained representations," IEEE Transactions on Image Processing (TIP), vol. 30, pp. 4610-4621, 2021. (CCF A, CAS Q1)
- Z. Shao, Z. Liu, J. Cai, and L. Ma, "Deep adaptive attention for joint facial action unit detection and face alignment," in European Conference on Computer Vision (ECCV). Springer, 2018, pp. 725-740. (CCF B, Tsinghua A)
- Z. Shao, Z. Liu, J. Cai, Y. Wu, and L. Ma, "Facial action unit detection using attention and relation learning," IEEE Transactions on Affective Computing (TAFFC), 2019. (CCF B, CAS Q2)
- Z. Shao, H. Zhu, X. Tan, Y. Hao, and L. Ma, "Deep multi-center learning for face alignment," Neurocomputing, 2019. (CCF C, CAS Q2)
- Z. Shao, H. Zhu, Y. Hao, M. Wang, and L. Ma, "Learning a multi-center convolutional network for unconstrained face alignment," in IEEE International Conference on Multimedia and Expo (ICME). IEEE, 2017, pp. 109-114. (CCF B, oral)
- Z. Shao, S. Ding, Y. Zhao, Q. Zhang, and L. Ma, "Learning deep representation from coarse to fine for face alignment," in IEEE International Conference on Multimedia and Expo (ICME). IEEE, 2016, pp. 1-6. (CCF B)
- Z. Shao, S. Ding, H. Zhu, C. Wang, and L. Ma, "Face alignment by deep convolutional network with adaptive learning rate," in IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). IEEE, 2016, pp. 1283-1287. (CCF B, oral)
- Y. Hao, H. Zhu, Z. Shao, and L. Ma, "Feedback cascade regression model for face alignment," IET Computer Vision, 2019. (CCF C, CAS Q4, IF: 1.648)
- J. Zhou, X. Tan, Z. Shao*, and L. Ma, "FVNet: 3D Front-View Proposal Generation for Real-Time Object Detection from Point Clouds," in International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI). IEEE, 2019. (EI)
- X. Tan, H. Zhu, Z. Shao, X. Hou, Y. Hao, and L. Ma, "Saliency detection by deep network with boundary refinement and global context," in IEEE International Conference on Multimedia and Expo (ICME). IEEE, 2018, pp. 1-6. (CCF B)
- H. Zhu, X. Tan, Z. Shao, Y. Hao, and L. Ma, "Multi-path feature fusion network for saliency detection," in IEEE International Conference on Multimedia and Expo (ICME). IEEE, 2018, pp. 1-6. (CCF B)

- Y. Hao, H. Zhu, Z. Shao, X. Tan, and L. Ma, "Facial landmark detection under large pose," in International Conference on Neural Information Processing (ICONIP). IEEE, 2018, pp. 684-696. (CCF C, oral)
- H. Zhu, B. Sheng, Z. Shao, Y. Hao, X. Hou, and L. Ma, "Better initialization for regression-based face alignment," Computers & Graphics, vol. 70, pp. 261-269, 2018. (CCF C, CAS Q4, IF: 1.302)
- K. Tang, X. Hou, Z. Shao, and L. Ma, "Deep feature selection and projection for cross-age face retrieval," in International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI). IEEE, 2017, pp. 1-7. (EI)
- Y. Zhao, Y. Li, Z. Shao, and H. Lu, "LSOD: Local sparse orthogonal descriptor for image matching," in ACM International Conference on Multimedia (MM). ACM, 2016, pp. 232-236. (CCF A, short)