Keke He

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Education

Fudan University, Shanghai, China 2015 – 2018

MS in Computer Science, GPA: 3.70/4.00, Computer Vision, Deep Learning, Particularly Face Analysis.

East China Normal University, Shanghai, China 2011 – 2015

BS in Software Engineering, GPA: 3.53/4.00

Experience

Fudan University. Shanghai, China 2014.11 – Present

Face Recognition , Python

- Design a Resnet-Liked deep network for facial feature extraction.
- Achieves 77.98% rank-1 accuracy on MegaFace, which is the current **best result under small protocol**.

Face Detection and Facial Attribute Analysis , Python

- Achieves 8.2%mean error of 40 attributes on CelebA benchmark, superior to current best 9.1%.
- Propose an adaptively weighted multi-task network for facial attribute analysis.
- Propose a jointly learned architecture for both attribute analysis and face detection.

Facial Landmark Localization , Python

- Popose a landmark localization with 3D head pose estimation algorithm.
- Our localization result on 3 test sets of 300-W benchmark are 4.58, 8.95, 5.43 respectively, which is better than LinkFace.

Large Scale Clothes Image Matching , Python, C++

- This is a competition of finding the exact same product from 2 million images which held by Alibaba.
- I design the deep feature extraction network and the similarity function to find the matching product.
- Session 1 Rank: 9/843.

Netease Games. Hangzhou, China 2017.3 – 2017.5

Construct a similar 3D face model for 2D image via convolutional neural network, C++, Python

Publications

- **Keke He**, Zhanxiong Wang, Yanwei Fu, Rui Feng, Yu-Gang Jiang, Xiangyang Xue, **Adaptively Weighted Multi-task Deep Network for Person Attribute Classification**, ACM Multimedia(ACM MM), 2017.
- Zhanxiong Wang*, **Keke He***, Yanwei Fu, Rui Feng, Yu-Gang Jiang, Xiangyang Xue, **Multi-task Deep Neural Network for Joint Face Recognition and Facial Attribute Prediction**, ACM International Conference on Multimedia Retrieval, (ICMR), 2017, *** equal contribution**.
- **Keke He**, Xiangyang Xue, **Facial Landmark Localization by Part-Aware Deep Convolutional Network**, Pacific-Rim Conference on Multimedia (PCM), 2016.

Honors and Awards

KLA-Tensor Named Scholarship of Fudan University, top5% 2016.10
Shanghai Scholarship, top2% 2014.10
Special Scholarship of East China Normal University, top2% 2013.10
First Scholarship of East China Normal University, top2% 2012.10