

# 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 8.4% 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.

### Facial Landmark Localization , Python

- Propose a landmark localization with 3D head pose estimation algorithm.
- Our localization result on 3 test sets of 300-W benchmark 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 have done: 1. Data preprocessing. 2. Design deep network model and choose the similarity function. 3. Model training. 4. With the trained model, extract features and calculate top20 images.
- 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, Yu-Gang Jiang, Rui Feng, Xiangyang Xue, **Adaptively Weighted Multi-task Deep Network for Person Attribute Classification**, ACM Multimedia(ACM MM), 2017. CCF Rank A
- Zhanxiong Wang\*, **Keke He\***, Yanwei Fu, Yu-Gang Jiang, Rui Feng, 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**. CCF Rank B
- **Keke He**, Xiangyang Xue, **Facial Landmark Localization by Part-Aware Deep Convolutional Network**, Pacific-Rim Conference on Multimedia (PCM), 2016. CCF Rank C

## 💖 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