

INFORMATIONS

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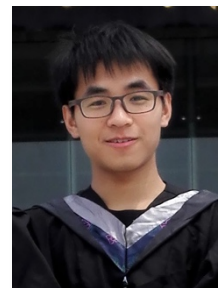
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Address: No. 95, Zhongguancun Road, Haidian District, Beijing, China

Interests: Face Recognition, 3D Face, Face Anti-Spoofing, Face Analysis, Meta-Learning and Deep Learning



EDUCATIONS

2016.09-Now | Ph.D. candidate | Supervisor: Stan Z. Li | National Laboratory of Pattern Recognition (NLPR), Institute of Automation, Chinese Academic of Sciences (CASIA)

2012.09-2016.06 | Bachelor degree | School of Transportation, Southeast University (SEU)

■ Ranking 2/28 , 2015.7 enrolled to NLPR, CASIA in summer camp without entrance examination.

PUBLICATIONS

- **Jianzhu Guo**, Xiangyu Zhu, Chenxu Zhao, Dong Cao, Zhen Lei, Stan Z. Li, "Learning Meta Face Recognition in Unseen Domains" , **CVPR (Oral)**, 2020
- Dong Cao, Xiangyu Zhu, Xingyu Huang, **Jianzhu Guo**, Zhen Lei, "Domain Balancing: Face Recognition on Long-Tailed Domains" , **CVPR**, 2020
- **Jianzhu Guo**, Xiangyu Zhu, Jinchuan Xiao, Zhen Lei, Genxun Wan, Stan Z. Li, "Improving Face Anti-Spoofing by 3D Virtual Synthesis" , **ICB Oral**, 2019
- Jinchuan Xiao, Yinhang Tang, **Jianzhu Guo**, Yang Yang, Xiangyu Zhu, Zhen Lei, Stan Z. Li, "3DMA: A Multi-modality 3D Mask Face Anti-spoofing Database" , **AVSS**, 2019
- **Jianzhu Guo**, Xiangyu Zhu, Zhen Lei, Stan Z. Li, "Face Synthesis for Eyeglass-Robust Face Recognition" , **CCBR**, 2018 (<https://github.com/cleardusk/MeGlass>)
- **Jianzhu Guo**, Zhen Lei, Jun Wan et al, "Dominant and Complementary Emotion Recognition From Still Images of Faces" , **IEEE Access**, 2018
- **Jianzhu Guo**, Shuai Zhou, Jinlin Wu, Jun Wan, Xiangyu Zhu, Zhen Lei, Stan Z. Li, "Multi-modality Network with Visual and Geometrical Information for Micro Emotion Recognition" , **FG**, 2017
- **Jianzhu Guo**, Xiangyu Zhu, Yang Yang, Zhen Lei, Yang Fan, Stan Z. Li, "Towards Fast, Accurate and Stable 3D Dense Face Alignment" , Under Review (ECCV-20), 2020
- Xiangyu Zhu, Yang Fan, **Jianzhu Guo**, Zhen Lei, "Beyond 3DMM Space: Fine-grained 3D Face Reconstruction" , Under Review (ECCV-20), 2020

PROJECTS & COMPETITIONS

- 2016 Face inpainting: Design a two-stage strategy of segmentation-regression based on CNN to remove face dense watermark, thus greatly improving the performance of face verification.
- 2017 HUAWEI Code Craft: Awarded Silver Medal (rank 5th) in Beijing Site.
- 2017 Face Analysis : Win the champion of micro emotion competition in FG 2017.
- 2017-Now IvS Face Recognition: Up to 10 million-scale identities, with the performance of $TPR=93\%@FAR=1e-6$, $TPR=85\%@FAR=1e-7$ of single model.
- 2017-Now NIR-VIS Face Recognition : Achieving the best performance in four public academic database and reach about $95\%@FAR=1e-6$ in real scene.
- 2018 Watermark IvS Face recognition : One million-scale identities with the performance of $TPR=85@FAR=1e-6$ in real scene applications.
- MeGlass: An eyeglass face dataset collected and cleaned for face recognition evaluation in <https://github.com/cleardusk/MeGlass> **220+ Stars**.
- 2018-Now Realtime 3D dense face alignment in <https://github.com/cleardusk/3DDFA> **2.4K+ Stars, 460+ Forks**.
- 2019 Facial emotion recognition: Emotion recognition in surveillance scenario.
- 2019 3D face: 3D dense face alignment in NIR scenario with large pose.
- 2020-Now IvS Face Recognition: Maks-occluded IvS face recognition.

SKILLS

- Programming language & Deep Learning Framework: Python, C/C++, Matlab, Caffe, PyTorch
- Platform: Linux & macOS

AWARDS

- 2015 Sample Technology Scholarship
- 2015 Grand Prize (rank 1st) on the 14th National Challenge Cup Theme-Based Competition on "Smart Green Cities"
- 2015 Transportation Design Institute Scholarship
- 2014 National Encouragement Scholarship
- 2014 Honorable Mention Award for Mathematical Contest in Modeling (MCM)
- 2014 Provincial First Prize for China Undergraduate Mathematical Contest in Modeling
- 2014 Third Prize for Programming Contest
- 2014 First Prize (rank 1st) for Short Code Competition
- 2013 National Encouragement Scholarship
- 2013 Second Prize for Transportation Technology Competition