



Wenxuan WANG
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SUMMARY

I am currently a second-year Ph.D. student at Fudan University, under the supervision of Prof. Yanwei Fu and Prof. Xiangyang Xue. At present, I devote to the research of adversarial attacks, generative adversarial networks, person re-identification, face recognition, expression classification with deep learning.

EDUCATION

NORTHWESTERN POLYTECHNICAL UNIVERSITY	2013-2017
B.S IN COMPUTER SCIENCE AND TECHNOLOGY	
FUDAN UNIVERSITY	2017-2019
M.S. IN COMPUTER APPLICATION	
FUDAN UNIVERSITY	2019-Present
PH.D. IN COMPUTER APPLICATION	

PUBLICATIONS

CONFERENCE

- FMMu-Net: Face Morphological Multi-branch Network for Makeup-invariant Face Verification. **Wenxuan Wang**, Yanwei Fu, Xuelin Qian, Qi Tian, Yu-Gang Jiang, Xiangyang Xue. IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2020.
- Long-Term Cloth-Changing Person Re-identification. Xuelin Qian, **Wenxuan Wang**, Li Zhang, Fangrui Zhu, Yanwei Fu, Tao Xiang, Yu-Gang Jiang, Xiangyang Xue. Asian Conference on Computer Vision (ACCV), 2020. (Oral)
- Comp-GAN: Compositional Generative Adversarial Network in Synthesizing and Recognizing Facial Expression. **Wenxuan Wang**, Qiang Sun, Yanwei Fu, Tao Chen, Chenjie Cao, Ziqi Zheng, Guoqiang Xu, Han Qiu, Yu-Gang Jiang, Xiangyang Xue. The 27th ACM International Conference on Multimedia. (ACM MM), 2019.
- Pose-Normalized Image Generation for Person Re-identification. Xuelin Qian, Yanwei Fu, Tao Xiang, **Wenxuan Wang**, Jie Qiu, Yang Wu, Yu-Gang Jiang, Xiangyang Xue. European Conference on Computer Vision. (ECCV), 2018.

PREPRINT

- A New Screening Method for COVID-19 based on Ocular Feature Recognition by Machine Learning Tools. Yanwei Fu, Feng Li, **Wenxuan Wang**, Haicheng Tang, Xuelin Qian, Mengwei Gu, Xiangyang Xue. medRxiv, 2020.
- Learning to Augment Expressions for Few-shot Fine-grained Facial Expression Recognition. **Wenxuan Wang**, Yanwei Fu, Qiang Sun, Tao Chen, Chenjie Cao, Ziqi Zheng, Guoqiang Xu, Han Qiu, Yu-Gang Jiang, Xiangyang Xue. arXiv, 2019
- A Fine-Grained Facial Expression Database for End-to-End Multi-Pose Facial Expression Recognition. **Wenxuan Wang**, Qiang Sun, Tao Chen, Chenjie Cao, Ziqi Zheng, Guoqiang Xu, Han Qiu, Yanwei Fu. arXiv, 2018

EXPERIENCE

PING AN	2018.09-2019.06
INTERN FOR COMPUTER VISION	
• Facial expression recognition under few-shot setting: This project aimed at recognizing subtle facial expression in the insufficient training data condition. I was primarily responsible for algorithm study.	
TENCENT	2020.06-2021.1
INTERN FOR THE SECURITY OF DEEP LEARNING	
• Adversarial attack: The initial goal is studying the robustness of the deep neural networks and further generating transferable adversarial examples.	

SKILLS

PROGRAMMING LANGUAGES	Experienced: Python Familiar: C C++
PLATFORM	Experienced: Pytorch Matlab Familiar: Tensorflow Caffe
LANGUAGES	Native: Chinese Fluent: English

EXTRA

TEACHING ASSISTANT

2018.09-2019.02

- Fudan University, Information System Security.

PART-TIME TEACHER

2018.12-2019.07

- Zhangmen, teaching junior high school students Chinese.

SCHOLARSHIP

- National Scholarship. (2016-2017)
- Excellent Academic Scholarship for Master students of Fudan University (2017-2018)
- WeiRui Scholarship. (2018-2019)