

Yangyang Xu

CONTACT INFORMATION

Third-year Ph.D. student (Excepted Graduation in June 2021)
School of Computer Science and Engineering, South China University of Technology
E-mail: cnnlstm@gmail.com
Mobile: (86)19927523189
Homepage: [Qingyang-Xu.github.io](https://github.com/Yangyang-Xu)
Address: Room 542, B3 Building, South China University of Technology, Guangzhou
Higher Education Mega Center, Guangzhou, China, 510006

RESEARCH INTEREST

Computer Vision, Image Processing, Machine Learning, Deep Learning

EDUCATION

<i>Ph.D. candidate, Cyberspace Security</i> South China University of Technology, China Supervisor: Prof. Shengfeng He and Prof. Xuemiao Xu	2018.07 - PRESENT
<i>M.S., Electronic and Communication Engineering</i> Guangxi Normal University, China	2015.09 - 2018.06
<i>Visiting Student</i> Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China Supervisor: Prof. Jun Cheng and Prof. Lei Wang	2017.02 - 2018.06
<i>B.S. Communication Engineering</i> Yantai University, China	2011.09 - 2015.06

PUBLICATION

- * Corresponding author
1. Transductive Zero-shot Action Recognition via Visually-connected Graph Convolutional Networks
Yangyang Xu, Chu Han, Jing Qin, Xuemiao Xu*, Guoqiang Han, and Shengfeng He*
IEEE Transactions on Neural Networks and Learning Systems (**TNNLS**), 2020.
DOI: 10.1109/TNNLS.2020.3015848
 2. Holistically-Associated Transductive Zero-Shot Learning
Yangyang Xu, Xuemiao Xu*, Guoqiang Han, and Shengfeng He*
IEEE Transactions on Cognitive and Developmental Systems (**TCDS**), 2021.
DOI: 10.1109/TCDS.2021.3049274
 3. Invertible Grayscale with Sparsity Enforcing Priors
Yong Du, **Yangyang Xu**, Taizhong Ye, Qiang Wen, Chufeng Xiao, Junyu Dong, Guoqiang Han, Shengfeng He*
ACM Transactions on Multimedia Computing Communications and Applications (**TOMM**) (Early Access)
 4. Unsupervised Domain Adaptation via Importance Sampling
Xuemiao Xu, Hai He, Huaidong Zhang, **Yangyang Xu**, and Shengfeng He*
IEEE Transactions on Circuits and Systems for Video Technology (**TCSVT**), 2019. DOI: 10.1109/TCSVT.2019.2963318

5. Ensemble One-Dimensional Convolution Neural Networks for Skeleton-Based Action Recognition
Yangyang Xu, Jun Cheng, Lei Wang*, Feng Liu and Dapeng Tao
 IEEE Signal Processing Letters ((**SPL**)), 2018. DOI: 10.1109/LSP.2018.2841649

Pre-print

1. Multi-view Face Synthesis via Progressive Face Flow
Yangyang Xu, Xuemiao Xu*, Jianbo Jiao, Keke Li, Cheng Xu and Shengfeng He*
 Submitted to IEEE Transactions on Image Processing (**TIP**), Major revision
2. Pro-PULSE: Learning Progressive Encoders of Latent Semantics in GANs for Photo Upsampling
 Shengfeng He, Yang Zhou, Yong Du, Qiang Wen, Xuemiao Xu and **Yangyang Xu***
 Submitted to IEEE Transactions on Image Processing (**TIP**)
3. Deep Texture-Aware Features for Camouflaged Object Detection
 Jingjing Ren, Xiaowei Hu, Lei Zhu, Xuemiao Xu*, **Yangyang Xu**, Weiming Wang, Zijun Deng and Pheng-Ann Heng
 Submitted to IEEE Transactions on MultiMedia (**TMM**)
4. Class-aware Global Feature Alignment for Adaptive Object Detection
 Shan Xu, Huaidong Zhang, Xuemiao Xu, Xiaowei Hu, **Yangyang Xu**, Liangui Dai, Pheng-Ann Heng, Kup-Sze Choi
 Submitted to The International Joint Conference on Artificial Intelligence (**IJCAI 2021**)
5. Video-based GAN Inversion for Real Image Editing
Yangyang Xu, Xuemiao Xu*, Guoqiang Han, and Shengfeng He*
 Submitted to IEEE International Conference on Computer Vision (**ICCV 2021**)
6. Self-supervised Matting-specific Portrait Enhancement and Generation
 Shengfeng He, Zeyang Zhou, **Yangyang Xu***, Xuemiao Xu and Guoqiang Han
 Submitted to IEEE International Conference on Computer Vision (**ICCV 2021**)

ACTIVITIES

Reviewer: IEEE **TNNLS**, Neural Computing, **P&G 2020**, **CVPR 2020**, **ECCV 2020**, **AAAI 2021**, **CVPR 2021**, **ICCV 2021**.

Seminar report: “Graph Convolutional Neural Networks for Zero-shot Action Recognition”,

City University of Hong Kong, Hong Kong. 2018.12

PROGRAM SKILLS

Proficiency with Python, Matlab, C/C++.