

Yangyang Xu

CONTACT INFORMATION

Third-year Ph.D. student (Excepted Graduation in September 2021)
School of Computer Science and Engineering, South China University of Technology

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RESEARCH INTEREST

Computer Vision, Image Processing, Machine Learning, Deep Learning

EDUCATION

Ph.D. candidate 2018.07 - PRESENT
South China University of Technology, China
Supervisor: Prof. [Shengfeng He](#) and Prof. [Xuemiao Xu](#)

M.S. 2015.09 - 2018.06
Guangxi Normal University, China

Research Assistant 2017.02 - 2018.06
Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China
Supervisor: Prof. [Jun Cheng](#) and Prof. [Lei Wang](#)

B.S. 2011.09 - 2015.06
Yantai University, China

PUBLICATION

- * Corresponding author
- 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
 - 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
 - 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)
 - 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, Huaiddong 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. From Continuity to Editability: Inverting GANs with Consecutive Images
Yangyang Xu, Yong Du, 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

1. **Reviewer:** IEEE TNNLS, Neural Computing, P&G 2020, CVPR 2020, ECCV 2020, AAAI 2021, CVPR 2021, ICCV 2021.
2. **Seminar report:** “Graph Convolutional Neural Networks for Zero-shot Action Recognition”,
 City University of Hong Kong, Hong Kong. 2018.12
3. **Volunteer: Chinagraph 2018**

PROGRAM SKILLS

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