Xiaoming Li

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Biography

I am a Ph.D. student with the Faculty of Computing, Harbin Institute of Technology, China, supervised by Prof. Wangmeng Zuo, and also with the Department of Computing, the Hong Kong Polytechnic University, Hong Kong, jointly supervised by Prof. Lei Zhang. Before that, I received my M.Eng. and B.Eng degrees from the School of Computer Science and Technology, Harbin Institute of Technology, China. I will graduate in the Spring of 2021.

Research Interest

My interests are in the field of computer vision, especially on the image editing and restoration. Currently, I mainly focus on solving the real-world low-quality image restoration problems. I am also interested in the following topics:

- Image to Image Translation
- Generative Adverserial Networks (GANs)
- Image Inpainting and Completion
- Face Related Tasks

Education/Internship Experience

- Alibaba Damo Academy, Artificial Intelligence Center, Research Intern.   Nov. 2019 - Present
- The Hong Kong Polytechnic University, Joint Ph.D. (GPA 3.77/4, Prof. Lei Zhang)   Jan. 2019 - May 2020
- Harbin Institute of Technology, China, Ph.D. (GPA 4/4, Prof. Wangmeng Zuo)   Sep. 2016 - Present
- Harbin Institute of Technology, China, Master   Sep. 2013 - Jul. 2016
- Harbin Institute of Technology, China, Bachelor   Sep. 2009 - Jul. 2013

Publications

- **Xiaoming Li**, Chaofeng Chen, Shangchen Zhou, Xianhui Lin, Wangmeng Zuo and Lei Zhang. Blind Face Restoration via Multi-scale Dictionary Component Dictionaries. European Conference on Computer Vision (**ECCV**), 2020.

- Xiaobin Hu, Wenqi Ren, John LaMaster, Xiaochun Cao, **Xiaoming Li**, Zechao Li, Bjoern Menze, and Wei Liu. Face Super-Resolution Guided by 3D Facial Priors. European Conference on Computer Vision (**ECCV, Spotlight**), 2020.

- **Xiaoming Li**, Wenyu Li, Dongwei Ren, Hongzhi Zhang, Meng Wang and Wangmeng Zuo. Enhanced Blind Face Restoration With Multi-Exemplar Images and Adaptive Spatial Feature Fusion. IEEE International Conference on Computer Vision and Pattern Recognition (**CVPR, Oral**), 2020.

- **Xiaoming Li***, Guoshegn Hu*, Jieru Zhu, Wangmeng Zuo, Meng Wang and Lei Zhang. Learning Symmetry Consistent Deep CNNs for Face Completion. IEEE Transactions on Image Processing (**TIP**), 2020. (*Equal Contribution)

- **Xiaoming Li**, Ming Liu, Yuting Ye, Wangmeng Zuo, Liang Lin and Ruigang Yang. Learning Warped Guidance for Blind Face Restoration. European Conference on Computer Vision (**ECCV**), 2018.

- Zhaoyi Yan, **Xiaoming Li**, Mu Li, Wangmeng Zuo and Shiguang Shan. Shift-Net: Image Inpainting via Deep Feature Rearrangement. European Conference on Computer Vision (**ECCV**), 2018.

- Yajie Zhao, Weikai Chen, Jun Xing, **Xiaoming Li**, Zach Bessinger, Fuchang Liu, Wangmeng Zuo, Ruigang Yang. Identity Preserving Face Completion for Large Ocular Region Occlusion. The British Machine Vision Conference (**BMVC**), 2018.

Awards

- The People's Daily Scholarship   2019
- Outstanding Graduate of Harbin Institute of Technology   2016
- The Huawei Scholarship   2015
- The Silver Award for the 1st China Internet+ College Students Innovation and Entrepreneurship Competition   2015
- Outstanding Graduate of Harbin Institute of Technology   2013

Academic Services

TPAMI, TIP, CVIU, CVPR, IJCAI (pc member, 2021), ACCV