

Xiaoqiang Zhou (周晓强)

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INFORMATION Institute of Automation, Chinese Academy of Sciences Tel: (+86) 18518619978

RESEARCH Machine Learning: deep learning

INTERESTS Computer Vision: low-level vision (e.g., inpainting, super-resolution), image synthesis

EDUCATION University of Science and Technology of China, Hefei, China Sep 2019 – Now

Ph.D., Department of Automation

- Major in Control Engineering
- Advisors: *Prof. Tieniu Tan*, *Prof. Ran He* and *Prof. Zilei Wang*

University of Science and Technology of China, Hefei, China Sep 2015 – Jul 2019

B.E., Department of EEIS

- Major in Electronic and Information Engineering
- Academic Records: GPA: 3.72/4.30 (ranking top 15% in school)

RESEARCH Institute of Automation, Chinese Academy of Sciences Aug 2020 – Now

EXPERIENCE Research Assistant Supervisors: *Prof. Tieniu Tan* and *Prof. Ran He*

Project: USTC-NLPR Joint-PhD program.

Meituan AI Apr 2020 – Sep 2020

Research Intern Mentors: *Dr. Zhenhua Chai* and *Dr. Xiaolin Wei*

Project: Image Watermark Removal. The service is launched in Meituan App.

University of Science and Technology of China Sep 2019 – June 2020

Research Assistant Supervisors: *Prof. Tieniu Tan* and *Prof. Zilei Wang*

Project: Image inpainting.

Microsoft Research Asia Sep 2018 – Jun 2019

Research Intern Mentors: *Dr. Chong Luo* and *Dr. Wenjun Zeng*

Project: Visual object tracking and video synopsis. Presented in Microsoft TechFest 2019.

University of Science and Technology of China Oct 2017 – Jun 2018

Research Assistant Supervisors: *Prof. Wengang Zhou*

Project: Image and video retrieval.

PUBLICATIONS • Accepted & Published:

1. Xin Ma*, **Xiaoqiang Zhou***, Huaibo Huang, Gengyun Jia, Zhenhua Chai, Xiaolin Wei, "Contrastive Attention Network with Dense Field Estimation for Face Completion", *Pattern Recognition (PR)*, 2021. (IF: 7.74)
2. Xin Ma, **Xiaoqiang Zhou**, Huaibo Huang, Zhenhua Chai, Xiaolin Wei, Ran

He, "Free-Form Image Inpainting via Contrastive Attention Network", *International Conference on Pattern Recognition (ICPR)*, oral paper, 2020.

3. **Xiaoqiang Zhou**, Junjie Li, Zilei Wang, Ran He, Tieniu Tan, "Image Inpainting with Contrastive Relation Network", *International Conference on Pattern Recognition (ICPR)*, **Best Scientific Paper Award**, 2020.

- In submission:

1. Huaibo Huang, **Xiaoqiang Zhou**, Ran He, "StochasticWavelet Attention Network for Image Super-Resolution", submitted to **CVPR** 2022.

2. Chaoyou Fu, Weizan He, **Xiaoqiang Zhou**, Ran He, "Towards Lightweight Pixel-Wise Hallucination for Heterogeneous Face Recognition", submitted to **TPAMI**.

3. **Xiaoqiang Zhou**, Chaoyou Fu, Ran He, Tieniu Tan, "Dynamic Graph Memory Network for Video Inpainting", submitted to **TCSVT**.

HONORS AND AWARDS	• Best Scientific Paper Award , ICPR	2020
	• Third Prize Scholarship of USTC,	2018
	• Sumsung Scholarship, USTC	2017
	• National Endeavor Scholarship, USTC	2016, 2017
	• Second Prize Scholarship of USTC	2016

SKILLS	• Programming: Python, C/C++, Matlab, \LaTeX , Linux
	• Deep learning tools: PyTorch, TensorFlow
	• English: CET4: 588 CET6: 563, TOEFL: 89 (R:27 L:22 S:19 W:21)