

HUANRONG ZHANG (张欢荣)

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EDUCATIONS

Sun Yat-sen University (SYSU, 中山大学) <i>M.S. Degree Received, School of Intelligent Systems Engineering</i>	Guangzhou, China <i>Sept. 2019 ~ June 2021</i>
Jinan University (JNU, 暨南大学) <i>B.S. Degree Received, School of Intelligent Systems Science and Engineering</i>	Guangzhou, China <i>Sept. 2015 ~ June 2019</i>

WORKS

Tencent (腾讯) <i>Computer Vision Researcher</i>	Shenzhen, China <i>July 2021 ~ Present</i>
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INTERNSHIPS

Huawei (华为) <i>Software Development Engineer</i>	Shenzhen, China <i>July 2018 ~ Oct. 2018</i>
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PUBLICATIONS

- **Huanrong Zhang**, Jie Xiao, Zhi Jin, et al. Multi-scale Image Super-Resolution via A Single Extendable Deep Network. *IEEE Journal of Selected Topics in Signal Processing (JSTSP)*. 2021.
[Paper][Code]
- **Huanrong Zhang**, Zhi Jin, Xiaojun Tan, et al. Towards Lighter and Faster: Learning Wavelets Progressively for Image Super-Resolution. *Proceedings of the 28th ACM International Conference on Multimedia (ACM MM)*. 2020.
[Paper][Code]
- Haoran Qi, **Huanrong Zhang**, Zhi Jin, et al. SemFSR: An Unsupervised Face SR with Semantic Features for Multiple Degradations. *IEEE International Conference on Tools with Artificial Intelligence (ICTAI)*. 2021.
[Paper]
- Meng Pan, **Huanrong Zhang**, Jiahao Wu, et al. Self-Distillation Network for Indoor and Outdoor Monocular Depth Estimation. *Multimedia Tools and Applications*. 2022.
[Paper]
- Yinhe Qi, **Huanrong Zhang**, Zhi Jin, et al. Depth-guided Asymmetric CycleGAN for Rain Synthesis and Image Deraining. *Multimedia Tools and Applications*. 2022.
[Paper]
- Jie Xiao, Zhi Jin, **Huanrong Zhang**, et al. A General Model Compression Method for Image Restoration Network. *Signal Processing: Image Communication*. 2021.
[Paper][Code][Supp]
- Meng Pan, **Huanrong Zhang**, Zhi Jin, et al. Pixel Classification-based Monocular Depth Estimation. *China Automation Congress (CAC)*. 2020.
[Paper]

WORKSHOPS

- Lugmayr et al. NTIRE 2021 Learning the Super-Resolution Space Challenge. *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW)*. 2021.
[Paper]
- Zhang et al. NTIRE 2020 Challenge on Perceptual Extreme Super-Resolution: Methods and Results. *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW)*. 2020.
[Paper]

PROJECTS

- 腾讯视频-臻彩视听. In Tencent Video. 2021 ~ Present.
- Face and Gaze-based Intelligence Interactivity on Huawei HI3519A Chip. In Sun Yat-sen University. 2019.
- State Detection of Fire Door based on Video Frames. In Jinan University. 2018.

AWARDS

- Asia Supercomputer Community (ASC) Student Supercomputer Challenge 2019: First Prize and Application Innovation Award (FaceSR).
- CVPR Workshop NTIRE 2021 Learning the Super-Resolution Space Challenge: Finals Award.
- CVPR Workshop NTIRE 2020 Challenge on Perceptual Extreme Super-Resolution: Finals Award.
- Jinan University: 1st Prize Scholarship (2016 ~ 2017, 2018 ~ 2019) and 3rd Prize Scholarship (2017 ~ 2018).
- Sun Yat-sen University: 3rd Prize Scholarship (2019 ~ 2020, 2020 ~ 2021).

PATENTS

- 图像处理模型的训练方法、视频处理方法、装置及设备（一种适用于含字幕视频的清晰度增强方法），2022, CN115205164B（已授权）。
- 基于增强图像的图像处理方法、装置和计算机设备（一种基于三维查找表的时域稳定的视频增强方法），2022, CN115115554B（已授权）。
- 一种基于语义特征的人脸超分辨率重建方法及系统, 2022, CN114820310A.
- 一种合成高仿真图像的方法, 2021, CN113160101A.
- 基于图像的消防门及其开关状态的检测方法, 2018, CN109035278B（已授权）。

FOUNDATIONS

- 国家自然科学基金委员会面上项目, 6207010648, 复杂天气及光照下的移动视觉感知增强理论与方法, 2020, 参与.

OTHERS

- Megapixel Image Viewer APP. In Jinan University. 2018.