

# XIAODONG CUN

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## EDUCATION

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Ph.D, Computer Science, <b>University of Macau</b>	Aug. 2018 - Aug. 2021
M.S, Computer Science, <b>University of Macau</b>	Aug. 2015 - Jun. 2018
B.S, Computer Science, <b>Xidian University</b>	Sep. 2011 - Jun. 2015

## PUBLICATIONS

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Zhendong Wang, Xiaodong Cun (Corresponding author), Jianmin Bao and Jianzhuang Liu. [Uformer: A General U-Shaped Transformer for Image Restoration](#). *Conference submission, Under Review*.

Xiaodong Cun, Zhendong Wang, Chi-Man Pun, Jianzhuang Liu and Xu Jia. Learning Enriched Illuminants for Cross and Single Sensor Color Constancy. *Conference submission, Under Review*.

Xiaodong Cun and Chi-Man Pun. [Split then Refine: Sequential Attention-guided ResUNets for Blind Single Image Visible Watermark Removal](#) In *Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI)*, 2021.

Xiaodong Cun and Chi-Man Pun. [Defocus Blur Detection via Depth Distillation](#). In *European Conference on Computer Vision (ECCV)*, 2020.

Xiaodong Cun, Chi-Man Pun and Cheng Shi. [Towards Ghost-free Shadow Removal via Dual Hierarchical Aggregation Network and Shadow Matting GAN](#). In *Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI)*, 2020.

Xiaodong Cun, Feng Xu, Chi-Man Pun and Hao Gao. [Depth Assisted Full Resolution Network for Single Image based View Synthesis](#). In *SIGGRAPH 2018 Poster Session & IEEE Computer Graphics and Application*, vol. 39, 2018.

Xiaodong Cun and Chi-Man Pun. [Improving the Harmony of the Composite Image by Spatial-Separated Attention Module](#). *IEEE Transactions on Image Processing (TIP)*, vol. 29, 2020.

Xiaodong Cun, Chi-Man Pun and Hao Gao. Applying stochastic second-order entropy images to multi-modal image registration. *Signal Processing: Image Communication*, vol. 65, 2018.

## EXPERIENCES

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<b>Research Assistant, IPPR Lab, University of Macau</b> Supervised by <a href="#">Dr. Chi-Man Pun</a> Developing learning-based algorithms in computational photography and low-level vision fields.	Apr. 2016 - Jun. 2021
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<b>Research Intern, Computer Vision Lab, Huawei Noak'Ark Lab</b> Supervised by <a href="#">Dr. Jianzhuang Liu</a> Focusing on the learning-based algorithms for Image Signal Processor (ISP).	Mar. 2020 - Nov. 2020
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<b>Algorithm Intern, Computer Vision Lab, HIKVision Research Institute</b> Short internship on network slimming.	Mar. 2018 - Aug. 2018
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<b>Front-end Software Intern, Alibaba Inc.</b>	Jun. 2014 - Sep. 2014
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## TEACHING EXPERIENCE

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Teaching Assistant, Faculty of Science and Technology, **University of Macau**

\* Computer Graphics 2016-2017

\* Computer Science (Programming) 2017-2018

## SKILLS

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Languages: Python, Matlab, JavaScript, C

Framework: PyTorch, TensorFlow, Torch

Tools: PhotoShop, Illustrator,  $\text{\LaTeX}$