Zongsheng **Yue**

School of Mathematics and Statistics, Xi'an Jiaotong University, Xi'an, Shaaxi, China

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"Just do it."

Education

Xi'an Jiaotong University—School of Mathematics and Statistics	*Xi'an, Shaaxi, China*
PhD in Machine Learning	*2017.03 - 2021.06*

- Supervisor: Prof. Deyu Meng

Xi'an Jiaotong University—School of Mathematics and Statistics	*Xi'an, Shaaxi, China*
M.S. in Machine Learning	*2015.09 - 2017.01*

- Supervisor: Prof. Deyu Meng

Xinjiang University—College of Mathematics and System Science	*Urimchi, Xinjiang, China*
B.S. in Applied Mathematics	*2011.09 - 2015.06*

Experiences

The University of Hong Kong—Department of Computer Science	*Hong Kong*
Research Associate	*2021.09 - present*

- Supervisor: Assoc Prof. Kenneth K. Y. Wong

Alibaba Group—DAMO Academy	*Shenzhen, China*
Research Intern	*2021.03 - 2021.09*

- Supervisor: Prof. Lei Zhang

The Hong Kong Polytechnic University—Department of Computing	*Hong Kong*
Research Assistant	*2018.11 - 2019.06*

- Supervisor: Prof. Lei Zhang

The Chinese University of HongKong—Institute of Future Cities	*Hong Kong*
Research Assistant	*2017.02 - 2017.09*

- Supervisor: Prof. Yee Leung.

Research Interest

Machine Learning and Computer Vision. Current focuses:

- Image Restoration, including denoising, deraining, super-resolution and deblurring.
- Generative Model, Bayesian Inference.

Publications

1. **Zongsheng Yue**, Jianwen Xie, Qian Zhao, Deyu Meng. Semi-supervised Video Deraining with Dynamical Rain Generator. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition* (CVPR), 2021. https://arxiv.org/abs/2103.07939.

2. Hong Wang[*], **Zongsheng Yue**[*], Qi Xie, Qian Zhao, Yefeng Zheng, Deyu Meng. From Rain Generation to Rain Removal. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition* (CVPR), 2021. https://arxiv.org/abs/2008.03580. (**Equal Contribution**).

3. **Zongsheng Yue**, Qian Zhao, Lei Zhang, Deyu Meng. Dual Adversarial Network: Toward Real-world Noise Removal and Noise Generation. In *Proceedings of the European Conference on Computer Vision* (ECCV), 2020, https://arxiv.org/pdf/2007.05946.pdf.

4. **Zongsheng Yue**, Hongwei Yong, Qian Zhao, Lei Zhang, Deyu Meng. Variational Denoising Network: Toward Blind Noise Modeling and Removal. In Advances in Neural Information Processing Systems (NeurIPS), 2019, https://arxiv.org/pdf/1908.11314.pdf.

5. **Zongsheng Yue**, Hongwei Yong, Deyu Meng, Qian Zhao, Yee Leung. Robust Multi-view Subspace Learning With Non-independently and Non-identically Distributed Complex Noise. IEEE Transactions on Neural Networks and Learning System, 2019, pp. 1–14.

6. **Zongsheng Yue**, Deyu Meng, Yongqing Sun, Qian Zhao. Hyperspectral Image Restoration under Complex Multi-Band Noises. Remote Sensing, vol. 10, no. 10, 2018, p. 1631.

7. **Zongsheng Yue**, Deyu Meng, Juan He, Gemeng Zhang. Semi-supervised learning through adaptive Laplacian graph trimming. Image and Vision Computing, 2017, 60:38-47.

8. Xiangyu Rui, Xiangyong Cao, Qi Xie, **Zongsheng Yue**, Qian Zhao, Deyu Meng. Learning An Explicit Weighted Scheme for Adaping Complex HSI Noise. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition* (CVPR), 2021.

Preprint

1. **Zongsheng Yue**, Qian Zhao, Jianwen Xie, Lei Zhang, Deyu Meng. Unsupervised Single Image Super-resolution Under Complex Noise. https://arxiv.org/pdf/2107.00986.pdf.

2. **Zongsheng Yue**, Hongwei Yong, Qian Zhao, Lei Zhang, Deyu Meng. Variational Image Restoration Network. https://arxiv.org/abs/2008.10796.

3. Hui Wang, **Zongsheng Yue**, Qian Zhao, Deyu Meng. A Deep Variational Bayesian Framework for Blind Image Deblurring. https://arxiv.org/pdf/2106.02884.pdf.

Honors/Awards

2019	**National Scholarship for Doctoral Students,**	Xi'an Jiaotong University
2018	**Excellent Graduate Student,**	Xi'an Jiaotong University
2017	**Excellent Graduate Student,**	Xi'an Jiaotong University
2015	**Outstanding Graduates Awards,**	Xinjiang University
2014	**Second Prize in China,**	China Undergraduate Mathematical Contest in Modeling
2014	**National Encouragement Scholarship,**	Xinjiang University
2013	**National Encouragement Scholarship,**	Xinjiang University