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Education

Ph.D. candidate, Computer Science, University of California at Merced, 2018-present

M.S. Applied Mathematics, School of Mathematical Sciences, Peking University, 2015-2018

B.S. Mathematics, Taishan College, Shandong University, 2011-2015

Publications ([Google Scholar](#))

1. ELEGANT: Exchanging Latent Encodings with GAN for Transferring Multiple Face Attributes
Taihong Xiao, Jiapeng Hong and Jinwen Ma
Proceedings of the European Conference on Computer Vision (ECCV), 172–187, 2018
[\[Paper\]](#) [\[ArXiv\]](#) [\[Poster\]](#) [\[GitHub\]](#)
2. DNA-GAN: Learning Disentangled Representations from Multi-Attribute Images
Taihong Xiao, Jiapeng Hong and Jinwen Ma
International Conference on Learning Representations Workshop (ICLR), 2018
[\[Paper\]](#) [\[ArXiv\]](#) [\[Poster\]](#) [\[GitHub\]](#)
3. GeneGAN: Learning Object Transfiguration and Attribute Subspace from Unpaired Data
Shuchang Zhou, **Taihong Xiao**, Yi Yang, Dieqiao Feng, Qinyao He and Weiran He
Proceedings of the British Machine Vision Conference (BMVC), 2017 (**Oral Presentation**)
[\[Paper\]](#) [\[ArXiv\]](#) [\[Slide\]](#) [\[GitHub\]](#)
4. IQNN: Training Quantized Neural Networks with Iterative Optimizations
Shuchang Zhou, He Wen, **Taihong Xiao** and Xinyu Zhou
International Conference on Artificial Neural Networks (ICANN), 688-695, 2017
[\[Paper\]](#)
5. An Integrated Learning Framework for Pedestrian Tracking
Taihong Xiao and Jinwen Ma
International Conference on Intelligent Computing (ICIC), 95-106, 2017 (**Oral Presentation**)
[\[Paper\]](#) [\[Slide\]](#) [\[Video\]](#) [\[GitHub\]](#)

Research Experience

1. Research Intern, [Momenta](#), Beijing, Jun. - Aug., 2018
• Domain Adaptation in Object Detection
Advisor: Chaoqun Weng
2. Research Intern, [Megvii \(Face++\)](#), Beijing, Jan. - Nov., 2017
• Face Attributes Transfiguration
• Quantized Neural Networks
Advisor: [Shuchang Zhou](#)

3. Research Assistant, Peking University, Jan. 2016 - May, 2018

Advisor: [Jinwen Ma](#)

- Multiple Face Attribute Transfer
- Disentangled Representations
- Pedestrian Tracking

Teaching & Services

1. Reviewer, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019
2. Teaching Assistant, CSE 140 Computer Architecture, UC Merced, Fall 2018
3. Teaching Assistant, Advanced Math B, Peking University, Fall 2016
4. Teaching Assistant, Mathematical Analysis I, Shandong University, Fall 2014

Honors & Awards

1. National Scholarship, Peking University, 2015, 2016, 2017
2. Excellent Academic Performance Award, Peking University, 2016
3. Outstanding Thesis Award in Shandong Province, 2015
4. National Encouragement Scholarship, Shandong University, 2013