

# Taihong Xiao

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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, [Google AI](#), Mountain View, May - Aug., 2019 Host: Jinwei Yuan
  - Unsupervised Learning of Optical Flow
2. Research Intern, [Momenta](#), Beijing, Jun. - Aug., 2018 Advisor: Chaoqun Weng
  - Domain Adaptation in Object Detection

3. Research Intern, [Megvii \(Face++\)](#), Beijing, Jan. - Nov., 2017  
• Face Attributes Transfiguration  
• Quantized Neural Networks  
Advisor: [Shuchang Zhou](#)
4. Research Assistant, Peking University, Jan. 2016 - May, 2018  
• Multiple Face Attribute Transfer  
• Disentangled Representations  
• Pedestrian Tracking  
Advisor: [Jinwen Ma](#)

## Teaching & Services

1. Reviewer, IEEE Winter Conference on Applications of Computer Vision (WACV), 2020
2. Reviewer, IEEE International Conference on Computer Vision (ICCV), 2019
3. Reviewer, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019
4. Teaching Assistant, CSE 015 Discrete Math, UC Merced, Spring 2019
5. Teaching Assistant, CSE 140 Computer Architecture, UC Merced, Fall 2018
6. Teaching Assistant, Advanced Math B, Peking University, Fall 2016
7. Teaching Assistant, Mathematical Analysis I, Shandong University, Fall 2014

## Honors & Awards

1. ICLR Travel Award, 2018
2. National Scholarship, Peking University, 2015, 2016, 2017
3. Excellent Academic Performance Award, Peking University, 2016
4. Outstanding Thesis Award in Shandong Province, 2015
5. National Encouragement Scholarship, Shandong University, 2013