# 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, Momenta, Beijing, Jun. - Aug., 2018                    Advisor: Chaoqun Weng
   - Domain Adaptation in Object Detection

2. Research Intern, Megvii (Face++), Beijing, Jan. - Nov., 2017           Advisor: Shuchang Zhou
   - Face Attributes Transfiguration
   - Quantized Neural Networks

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

3. Teaching Assistant, Advanced Math B. Peking University

4. Teaching Assistant, Mathematical Analysis I. Shandong University

## 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