Fengchun Qiao

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Education

University of Delaware 2020.02 – Present
- Ph.D. Computer and Information Sciences. Advisor: Prof. Xi Peng

Institute of Software, Chinese Academy of Sciences 2016.09 – 2019.06
- M.Eng. Computer Application Technology. Advisor: Prof. Hui Chen

Beijing Forestry University 2012.09 – 2016.06
- B.Eng. Electronic and Information Technology (GPA: 90.8/100, Ranking: 1/52)

Projects & Publications

Single Domain Generalization
- Proposed adversarial domain augmentation to generalize the model from only one domain to many different unseen domains.
  Fengchun Qiao, Long Zhao, and Xi Peng. *Learning to Learn Single Domain Generalization.* Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2020. [PDF]

Facial Expression Synthesis
- Proposed a geometry guided GAN to transfer facial expressions across different persons.
  Fengchun Qiao, Naiming Yao, Zirui Jiao, Zhihao Li, Hui Chen, Hongan Wang. *Geometry-Contrastive Generative Adversarial Network for Facial Expression Synthesis.* arXiv preprint arXiv:1802.01822. [PDF]
  Fengchun Qiao, Naiming Yao, Zirui Jiao, Zhihao Li, Hui Chen, Hongan Wang. *Emotional facial expression transfer from a single image via generative adversarial nets.* The 31st International Conference on Computer Animation and Social Agents (CASA), 2018. [PDF]

Facial Expression Recognition
- Proposed an ensemble method for video-based facial expression recognition in the wild.
  Zirui Jiao, **Fengchun Qiao**, Naiming Yao, Zhihao Li, Hui Chen, Hongan Wang. *An Ensemble of VGG Networks for Video-Based Facial Expression Recognition.* The First Asian Conference on Affective Computing and Intelligent Interaction (ACII Asia), 2018. [PDF]
- Proposed a context-consistent image completion method for partially-occluded facial expressions.
  Naiming Yao, Qingpei Guo, **Fengchun Qiao**, Hui Chen, Hongan Wang. *Robust Facial Expression Recognition With Generative Adversarial Networks.* Acta Automatica Sinica. [PDF]

Awards & Honors

National Scholarship for Graduate Students 2018.10

CIKM AnalytiCup 2017 (Ranking: 4/1395) 2017.07

KDD CUP 2017 (Ranking: 16/3582) 2017.06

Skills

Programming Languages: Python, Matlab, C++, Java

Deep Leaning Framework: Pytorch, Tensorflow, Theano