

Xuelin Qian, Ph.D. Candidate

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Education

2015 – **Ph.D., Fudan University.**

I am a fifth year Ph.D. student in the Department of Computer Science. I am working in the area of computer vision, machine learning and deep learning. At present, I devote to the research of Person Re-Identification, Person Attribute, Face Recognition, Object Detection with deep learning.

2011 – 2015 **B.Sc., Xidian University.**

I majored in Mathematics and Applied Mathematics during my undergraduate study. In addition to studying basic courses, I also extended my knowledges by participating in the ACM contests, Mathematical Modeling Contests and National University Student Innovation Project.

Research Publications



Journal Articles

- 1 **Qian, X.**, Fu, Y., Xiang, T., Jiang, Y.-G., & Xue, X. (2019). Leader-based multi-scale attention deep architecture for person re-identification. *IEEE transactions on pattern analysis and machine intelligence*.

Conference Proceedings



- 1 **Qian, X.**, Wang, W., Zhang, L., Zhu, F., Fu, Y., Xiang, T., . . . Xue, X. (2020). Long-term cloth-changing person re-identification. In *Arxiv preprint arxiv:2005.12633*.
- 2 Wan, F., Wu, Y., **Qian, X.**, & Fu, Y. (2020). When person re-identification meets changing clothes. In *Proceedings of the ieee/cvf computer vision and pattern recognition workshops (cvprw)*.
- 3 Wang, W., Fu, Y., **Qian, X.**, Jiang, Y.-G., Tian, Q., & Xue, X. (2020). Fmmu-net: face morphological multi-branch network for makeup-invariant face verification. In *Proceedings of the ieee/cvf computer vision and pattern recognition (cvpr)*.
- 4 **Qian, X.**, Fu, Y., Xiang, T., Wang, W., Qiu, J., Wu, Y., . . . Xue, X. (2018). Pose-normalized image generation for person re-identification. In *Proceedings of the european conference on computer vision (eccv)* (pp. 650–667).
- 5 Zhuo, H., **Qian, X.**, Fu, Y., Yang, H., & Xue, X. (2018). Scsp: spectral clustering filter pruning with soft self-adaption manners. In *Arxiv preprint arxiv:1806.05320*.
- 6 **Qian, X.**, Fu, Y., Jiang, Y.-G., Xiang, T., & Xue, X. (2017). Multi-scale deep learning architectures for person re-identification. In *Proceedings of the ieee international conference on computer vision (iccv)* (pp. 5399–5408).

Project Experience



- 2019 – 2020  Theory of novel deep learning and Research on brain-inspired intelligence algorithm.
Project Number: 16JC1420400
Major Duty: person re-identification, algorithm research, modeling
-  Person Re-identification in Group.
Cooperator Unit: Shanghai New Zailing Technology
Major Duty: data processing, algorithm research, modeling
- 2015 – 2016  Fast Tiny Object Detection in Complex Background Image
Project Number: KX152600005
Cooperator Unit: The 54th Research Institute of China Electronics Technology Group Corporation
Major Duty: collecting data, studying algorithm, writing report
-  Age Estimation and Analysis.
Cooperator Unit: Shanghai Institutes for Biological Sciences
Major Duty: data processing, algorithm research

Miscellaneous Experience

Internship and Visiting

- 2019.8–2019.12  Tencent. Involved in projects of face reenactment, pose generation.
- 2017.6–2017.8  Nara Institute of Science and Technology. Advised by Prof. Yang Wu and focus on researches of person re-identification

Awards and Honors

-  Huawei Scholarship, 2019
-  University-level Outstanding Students, 2015


Academic Activities

- Conference Reviewer  CVPR, ECCV, ICCV, NeurIPS, AAAI, ACM MM, WACV
-  TMM

Teaching Assistant

- 2016.9–2017.2  Fudan University, DATA130014.01, Advanced Big Data Analytics
- 2018.9–2019.2  Fudan University, COMP120004.07, Linear Algebra

Skills

- Languages  Mandarin Chinese, English
- Coding  Python, Matlab, C/C++
- Deep Learning tools  PyTorch, Caffe, Tensorflow

References

Available on Request