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, Computer-aided Diagnosis, and Objection 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. Fu, Y., Li, F., Wang, W., Tang, H., **Qian, X.**, Gu, M. & Xue, X. (2020). A new screening method for covid-19 based on ocular feature recognition by machine learning tools. *arXiv preprint arXiv:2009.03184*.

2. **Qian, X.**, Fu, H., Shi, W., Chen, T., Fu, Y., Shan, F. & Xue, X. (2020). M^{3}lung-sys: A deep learning system for multi-class lung pneumonia screening from ct imaging. *IEEE Journal of Biomedical and Health Informatics (JBHI)*.

3. **Qian, X.**, Wang, W., Zhang, L., Zhu, F., Fu, Y., Xiang, T., Jiang, Y.-G. & Xue, X. (2020). Long-term cloth-changing person re-identification. *Proceedings of the fifteenth Asian Conference on Computer Vision (ACCV) Oral*.

4. Wan, F., Wu, Y., **Qian, X.** & Fu, Y. (2020). When person re-identification meets changing clothes. *Proceedings of the IEEE/CVF Computer Vision and Pattern Recognition Workshops (CVPRW)*.

5. Wang, W., Fu, Y., **Qian, X.**, Jiang, Y.-G., Tian, Q. & Xue, X. (2020). Fm^{2}u-net: Face morphological multi-branch network for makeup-invariant face verification. *Proceedings of the IEEE/CVF Computer Vision and Pattern Recognition (CVPR)*.

6. **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 (TPAMI)*.

7. **Qian, X.**, Fu, Y., Xiang, T., Wang, W., Qiu, J., Wu, Y., Jiang, Y.-G. & Xue, X. (2018). Pose-normalized image generation for person re-identification. *Proceedings of the European Conference on Computer Vision (ECCV)*, 650–667.

8. Zhuo, H., **Qian, X.**, Fu, Y., Yang, H. & Xue, X. (2018). Scsp: Spectral clustering filter pruning with soft self-adaption manners. *arXiv preprint arXiv:1806.05320*.

9   **Qian, X.**, Fu, Y., Jiang, Y.-G., Xiang, T. & Xue, X. (2017). Multi-scale deep learning architectures for person re-identification. *Proceedings of the IEEE International Conference on Computer Vision (ICCV)*, 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

2020.6-now   🚩 Amazon AI Lab. Focus on the research of 3D detection.
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

🚩 Intel Scholarship, 2020
🚩 Huawei Scholarship, 2019
🚩 Excellent Academic Scholarship for Ph.D. students of Fudan University, 2016,2017,2018
🚩 University-level Outstanding Students, 2015

Academic Activities

Conference Reviewer   🚩 CVPR, ECCV, ICCV, NeurIPS, AAAI, ACM MM, WACV, ACCV
Journal Reviewer   🚩 TMM

Teaching Assistant

2016.9-2017.2   🚩 Fudan University, DATA130014.01, Advanced Big Data Analytics

Miscellaneous Experience (continued)

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