

# Xuelin Qian, Ph.D. Candidate

 **Mentor:** Prof. Xiangyang Xue and Prof. Yanwei Fu  
 **Institution:** Fudan University, Shanghai, China  
 **Phone:** (+86)17521712563  
 **Mail:** xuelinq92@gmail.com, xlqian15@fudan.edu.cn  
 **Homepage:** [click me]



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

### Conference Proceedings

- 1 **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.
- 2 Wan, F., Wu, Y., **Qian, X.** & Fu, Y. (2020). When person re-identification meets changing clothes. Proceedings of the IEEE/CVF Computer Vision; Pattern Recognition Workshops (CVPRW).
- 3 Wang, W., Fu, Y., **Qian, X.**, Jiang, Y.-G., Tian, Q. & Xue, X. (2020). Fm<sup>2</sup>u-net: Face morphological multi-branch network for makeup-invariant face verification. Proceedings of the IEEE/CVF Computer Vision; Pattern Recognition (CVPR).
- 4 **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).
- 5 **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).

### Preprint Papers

- 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 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.

## 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

## Miscellaneous Experience (continued)


---

### 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