ZHEDONG ZHENG

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EDUCATION

University of Technology Sydney, Sydney, Australia   2017 - Present
Ph.D Student (Advisor: Prof. Yi Yang and Dr. Liang Zheng)
Fudan University, Shanghai, China   2012 - 2016
B.S. in Computer Science (Advisor: Prof. Xiangyang Xue)

RESEARCH INTEREST

Computer Vision and Machine Learning
Image Retrieval, Person Re-identification, Image-text Understanding
Image Generation, Pedestrian Generation, Adversarial Samples

PUBLICATIONS

1. Joint Discriminative and Generative Learning for Person Re-identification.
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2019. (Oral)
Zhedong Zheng, Xiaodong Yang, Zhiding Yu, Liang Zheng, Yi Yang, Jan Kautz

2. Unlabeled Samples Generated by GAN Improve the Person Re-identification Baseline in vitro.
IEEE International Conference on Computer Vision (**ICCV**), 2017. (Spotlight)
Zhedong Zheng, Liang Zheng, Yi Yang

3. A Discriminatively Learned CNN Embedding for Person Re-identification.
ACM Transactions on Multimedia Computing, Communications, and Applications (**TOMM**), 2018.
Zhedong Zheng, Liang Zheng, Yi Yang

4. Pedestrian Alignment Network for Large-scale Person Re-identification.
IEEE Transactions on Circuits and Systems for Video Technology (**TCSVT**), 2019.
Zhedong Zheng, Liang Zheng, Yi Yang

5. Macro-Micro Adversarial Network for Human Parsing.
European Conference on Computer Vision (**ECCV**), 2018.
Luo Yawei, **Zhedong Zheng**, Liang Zheng, Tao Guan, Junqing Yu, Yi Yang

6. Camera Style Adaptation for Person Re-identification.
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2018.
Zhun Zhong, Liang Zheng, **Zhedong Zheng**, Shaozi Li, Yi Yang

7. Multi-pseudo Regularized Label for Generated Samples in Person Re-Identification.
IEEE Transactions on Image Processing (**TIP**), 2018.
Yan Huang, Jinsong Xu, Qiang Wu, **Zhedong Zheng**, Zhaoxiang Zhang, Jian Zhang

8. Camstyle: a novel data augmentation method for person re-identification.
IEEE Transactions on Image Processing (**TIP**), 2018.
Zhun Zhong, Liang Zheng, **Zhedong Zheng**, Shaozi Li, Yi Yang

9. Improving Person Re-identification by Attribute and Identity Learning.
Pattern Recognition (**PR**), 2019.
Yutian Lin, Liang Zheng, **Zhedong Zheng**, Yu Wu, Yi Yang

10. Bayesian query expansion for multi-camera person re-identification.
Pattern Recognition Letters, 2018.
Yutian Lin, **Zhedong Zheng**, Hong Zhang, Chenqiang Gao, Yi Yang

11. VehicleNet: Learning Robust Feature Representation for Vehicle Re-identification.
IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshop, 2019.
Zhedong Zheng, Tao Ruan, Yunchao Wei, Yi Yang

ARXIV PAPERS

1. Dual-Path Convolutional Image-Text Embedding.
Zhedong Zheng, Liang Zheng, Michael Garrett, Yi Yang, Yi-Dong Shen

2. Open Set Adversarial Examples.
Zhedong Zheng, Liang Zheng, Zhilan Hu, Yi Yang

3. Diagnose like a Radiologist: Attention Guided Convolutional Neural Network for Thorax Disease Classification.
Qingji Guan, Yaping Huang, Zhun Zhong, **Zhedong Zheng**, Liang Zheng, Yi Yang

COMMUNITY SERVICE

Conference Reviewer
1. IEEE International Conference on Computer Vision (ICCV), 2019
2. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019
3. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018
4. ACM Multimedia Conference (ACM MM), 2017

OPEN SOURCE

Codes and models for my published papers are available on my GitHub: `https://github.com/layumi`