ZHEDONG ZHENG

Personal Webpage: `http://zdzheng.xyz` • Google Scholar

Email: zdzheng12@gmail.com

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. Unsupervised Scene Adaptation with Memory Regularization in vivo.
International Joint Conference on Artificial Intelligence (**IJCAI**), 2020.
Zhedong Zheng, Yi Yang

4. 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

5. 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

6. Dual-Path Convolutional Image-Text Embedding.
ACM Transactions on Multimedia Computing, Communications, and Applications (**TOMM**), 2020.
Zhedong Zheng, Liang Zheng, Michael Garrett, Yi Yang, Yi-Dong Shen

7. 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

8. 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

9. 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

10. 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

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

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

13. 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

14. Diagnose like a Radiologist: Attention Guided Convolutional Neural Network for Thorax Disease Classification.
Pattern Recognition Letters, 2020.
Qingji Guan, Yaping Huang, Zhun Zhong, **Zhedong Zheng**, Liang Zheng, Yi Yang

ARXIV PAPERS

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

2. Rectifying Pseudo Label Learning via Uncertainty Estimation for Domain Adaptive Semantic Segmentation.
Zhedong Zheng, Yi Yang

3. Progressive Local Filter Pruning for Image Retrieval Acceleration.
Xiaodong Wang, **Zhedong Zheng**, Yang He, Fei Yan, Zhiqiang Zeng, Yi Yang

AWARDS

First Place Winner in AICity Challenge 2020
First-class Scholarship at Fudan University 2013, 2014, 2015, 2016

OPEN SOURCE

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