

ZHEDONG ZHENG

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EDUCATION AND RESEARCH EXPERIENCE

University of Technology Sydney , Sydney, Australia	2017 - Present
Ph.D Student (Advisors: Prof. Yi Yang and Dr. Liang Zheng)	
Nvidia Research , San Jose, United States	2018
Research Intern (Hosts: Dr. Xiaodong Yang, Dr. Zhiding Yu and Dr. Jan Kautz)	
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 (**Cited by 800+ times**)
3. Unsupervised Scene Adaptation with Memory Regularization in vivo.
International Joint Conference on Artificial Intelligence (**IJCAI**), 2020.
Zhedong Zheng, Yi Yang
4. University-1652: A Multi-view Multi-source Benchmark for Drone-based Geo-localization.
ACM Multimedia (**ACM MM**), 2020.
Zhedong Zheng, Yunchao Wei, Yi Yang
5. 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 (**ESI Highly Cited Paper**)
6. 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 (**ESI Highly Cited Paper**)
7. 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
8. VehicleNet: Learning Robust Feature Representation for Vehicle Re-identification.
IEEE Transactions on Multimedia (**TMM**), 2020.
Zhedong Zheng, Tao Ruan, Yunchao Wei, Yi Yang, Mei Tao
9. Real-World Automatic Makeup via Identity Preservation Makeup Net.
International Joint Conference on Artificial Intelligence (**IJCAI**), 2020.

Zhikun Huang, **Zhedong Zheng**, Chenggang Yan, Hongtao Xie, Yaoqi Sun, Jianzhong Wang, Jiyong Zhang

10. 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

11. 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

12. 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

13. 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

14. Improving Person Re-identification by Attribute and Identity Learning.

Pattern Recognition (**PR**), 2019.

Yutian Lin, Liang Zheng, **Zhedong Zheng**, Yu Wu, Yi Yang

15. Bayesian query expansion for multi-camera person re-identification.

Pattern Recognition Letters, 2018.

Yutian Lin, **Zhedong Zheng**, Hong Zhang, Chenqiang Gao, Yi Yang

16. 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

17. Unsupervised Eyeglasses Removal in the Wild.

IEEE Transactions on Cybernetics, 2020.

Bingwen Hu, **Zhedong Zheng**, Ping Liu, Wankou Yang, Mingwu Ren

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. Person Re-identification in the 3D Space.

Zhedong Zheng, Yi Yang

4. 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>