Yandong Wen

PERSONAL
INFORMATION

Email: yandongw@andrew.cmu.edu
Office: 244, Roberts Engineering Hall, Carnegie Mellon University
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RESEARCH
INTERESTS

Deep Learning, Sparse Representation, Computer Vision, Face Recognition

EDUCATION

Carnegie Mellon University (CMU), Pittsburgh, PA

Ph.D Student, Department of Electrical and Computer Engineering   Sep 2016 - Present

South China University of Technology (SCUT), Guangzhou, P. R. China

M.Eng., School of Electronic and Information Engineering   Sep 2013 - Jul 2016

South China University of Technology (SCUT), Guangzhou, P. R. China

B.Eng., School of Electronic and Information Engineering   Sep 2009 - Jul 2013

RESEARCH
EXPERIENCE

Machine Learning for Signal Processing Group, Carnegie Mellon University

Ph.D Student with Prof. Bhiksha Ramakrishnan   Sep 2016 - Present
- Investigated deep metric learning for face recognition.
- **#1 Accuracy** on **MegaFace Challenge 1**.
- Accepted by **CVPR 2017**

Multimedia Laboratory, Shenzhen Institutes of Advanced Technology

Visiting Student with Prof. Zhifeng Li & Prof. Yu Qiao   May 2015 - Sep 2016
- Developed unconstrained face recognition algorithm based on deep learning.
- Two papers accepted by **CVPR 2016** and **ECCV 2016**, respectively.
- Code is available on **Github**, ∼340 Stars.

Intelligent Information Processing Group, South China University of Technology

Research Assistant with Prof. Yuli Fu   Sep 2013 - May 2015
- Focused on sparse representation based face recognition.
- Published some papers based on this work.

SELECTED
PUBLICATIONS

1. **Yandong Wen**[*], Weiyang Liu[*], Zhiding Yu, Ming Li, Bhiksha Ramakrishnan, Le Song. "SphereFace: Deep Hypersphere Embedding for Face Recognition." *IEEE Conference on Computer Vision and Pattern Recognition (CVPR'17)* (accepted),

2. **Yandong Wen**, Kaipeng Zhang, Zhifeng Li, Yu Qiao. "A Discriminative Feature Learning Approach for Deep Face Recognition." *The 14th European Conference on Computer Vision (ECCV'16)*

3. **Yandong Wen**[*], Weiyang Liu[*], Zhiding Yu, and Meng Yang. "Large-Margin Softmax Loss for Convolutional Neural Networks." *The 33rd International Conference on Machine Learning (ICML'16)*

4. **Yandong Wen**, Zhifeng Li, and Yu Qiao. "Latent Factor Guided Convolutional Neural Networks for Age-Invariant Face Recognition." *IEEE Conference on Computer Vision and Pattern Recognition (CVPR'16)*

5. **Yandong Wen**, Weiyang Liu, Meng Yang, Yuli Fu, Youjun Xiang, and Rui Hu. "Structured Occlusion Coding for Robust Face Recognition." **Neurocomputing**, vol. 178(20), page $11-24$, 2015.

6. **Yandong Wen**, Youjun Xiang, and Yuli Fu. "A Joint Classification Approach via Sparse Representation for Face Recognition." *IEEE International Conference on Signal Processing* **(ICSP'14)**

7. Weiyang Liu, Zhiding Yu, **Yandong Wen**, Rongmei Lin and Meng Yang. "Jointly Learning Non-negative Projection and Dictionary with Discriminative Graph Constraints for Classification." *27th British Machine Vision Conference***(BMVC '15)**

8. Weiyang Liu, Zhiding Yu, Lijia Lu, **Yandong Wen**, Hui Li, and Yuexian Zou. "KCRC-LCD: Discriminative Kernel Collaborative Representation with Locality Constrained Dictionary for Visual Categorization." **Pattern Recognition**, vol. 48(10), page $3076-3092$, 2015

9. Weiyang Liu, Zhiding Yu, **Yandong Wen**, Meng Yang and Yuexian Zou. "Multi-Kernel Collaborative Representation for Image Classification." *IEEE International Conference on Image Processing* **(ICIP'15)**

10. Weiyang Liu, **Yandong Wen**, Hui Li, and Bing Zhu. "Dictionary Construction for Sparse Representation Classification: A Novel Cluster-based Approach." *IEEE Symposium on computers and Communications* **(ISCC'14)**

ACADEMIC
SERVICES

- Reviewer for AAAI 2017
- Reviewer for NIPS 2016
- Reviewer for IEEE Transactions on Human-Machine Systems

AWARDS

Goodix Scholarship	Nov. 2015
National Postgraduate Mathematic Contest in Modeling	Nov. 2013
Outstanding Bachelor Thesis Award	Jul. 2013
Outstanding Volunteer in 2010 Asian Games	Nov. 2010
Undergraduate and Graduate Scholarship in SCUT	2010 - 2016