

Yandong Wen

CONTACT INFORMATION	Email Address: yandongw@andrew.cmu.edu Homepage: http://ydwen.github.io	
RESEARCH INTERESTS	Computer Vision, Deep Learning, Dictionary Learning, Sparse Coding, Face Recognition.	
EDUCATION	South China University of Technology (SCUT) , Guangzhou, P. R. China	
	M.E., School of Electronic and Information Engineering	Sep 2013 - Jul 2016
	• GPA:3.72/4.0, Rank:3/46	
	South China University of Technology (SCUT) , Guangzhou, P. R. China	
	B.Eng., School of Electronic and Information Engineering	Sep 2009 - Jul 2013
	• GPA:3.74/4.0, Rank:21/272	
RESEARCH EXPERIENCE	Multimedia Laboratory, Shenzhen Institutes of Advanced Technology	
	Visiting Student	May 2015 - Present
	Deep Learning for Face Verification	
	• We achieve the best results (65.27% for face identification and 76.52% for face verification) on MegaFace Challenge dataset with 1 million distractors under the protocol of samll training set.	
	• We achieve 99.28% and 99.5% verification accuracy in LFW database by single and ensemble model respectively, only using publicly available training images (0.7M).	
	• This work has been accepted by ECCV 2016	
	Deep Learning for Age-Invariant Face Recognition	
	• We propose a Latent Factor guided Convolution Neural Networks (LF-CNNs) for age-invariant face recognition, beating the state-of-the-art algorithms by significant margin.	
	• This work has been accepted by CVPR 2016	
	Supervisor: Prof. Zhifeng Li & Prof. Yu Qiao	
	Intelligent Information Processing Lab, South China University of Technology	
	Research Assistant	Sep 2013 - May 2015
	Image-based Face Recognition via Sparse Representation	
	• We propose novel approaches to address the problem of occlusion, misalignment in face recognition, achieving better performance with less time .	
	• Some papers have been published based on this work.	
	Supervisor: Prof. Yuli Fu	
	Research Intern	Sep 2012 - Jul 2013
	Image Denoising via Sparse Representation	
	• Outstanding Bachelor Thesis Award.	
	Supervisor: Prof. Yuli Fu & Prof. Haifeng Li	
PROFESSIONAL MEMBERSHIP & ACTIVITIES	Microsoft Technology Club (MSTC), South China University of Technology	
	Member of the Technology Department	Sep 2013 - May 2014
	• Held the <i>SeedCoder2014</i> Programming Contest sponsored by Microsoft Research Asia (MSRA) from March 26, 2014 to April 21, 2014. More than 130 teams signed up for competition.	
	Vice President of the Club	May 2014 - May 2015
	• Organized Special Interest Group (SIG) within Technology Department. 2 or 3 members choose a topic they interested and focus it jointly for half a year.	

- Held Specialist Seminar about latest progress in Computer Science (CS) within Department of Technology, once a month.

AWARDS

Goodix Scholarship	Nov. 2015
• First Prize (Top 5%)	
National Postgraduate Mathematic Contest in Modeling	Nov. 2013
• First Prize (Top 2%)	
Outstanding Bachelor Thesis Award (Top 10%)	Jul. 2013
Desay Cup National Software Innovation Contest	Nov. 2012
• Second Prize (2/700+)	
Electronic Design Contest in Guangdong Province	Sep. 2012
• Second Prize (Top 15%)	
Scholarship in SCUT	2010 & 2012 & 2014 & 2015
Outstanding Volunteer in 2010 Asian Games	Nov. 2010

PUBLICATIONS

1. **Yandong Wen**, Kaipeng Zhang, Zhifeng Li, Yu Qiao. “A Discriminative Deep Feature Learning Approach for Face Recognition.” *The 14th European Conference on Computer Vision (ECCV’16)*, Amsterdam, The Netherlands, 2016. (**Accepted**)
2. **Yandong Wen**, Weiyang Liu, Meng Yang and Ming Li. “Efficient Misalignment-robust Face Recognition via Locality-constrained Representation.” *IEEE International Conference on Image Processing (ICIP’16)*, Phoenix, U.S.A., 2016.
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)*, Amsterdam, The Netherlands, 2016.
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)*, Las Vegas, U.S.A., 2016.
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. 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
7. 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)*, Quebec City, Canada, 2015.
8. **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)*, Hangzhou, China, 2014.
9. 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)*, Madeira, Portugal, 2014.