

Yandong Wen

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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 - Present <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 Age-Invariant Face Recognition <ul style="list-style-type: none">• 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 submitted to CVPR 2016 Deep Learning for Face Verification <ul style="list-style-type: none">• We achieve 99.2% and 99.5% verification accuracy in LFW database by single and ensemble model respectively, only using publicly available training images. 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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**^{*}, Weiyang Liu^{*}, Zhiding Yu, and Meng Yang. “Large-Margin Softmax Loss for Convolutional Neural Networks.” *International Conference on Machine Learning (ICML’16)*, New York City, U.S.A, 2016 (Submitted).
2. **Yandong Wen**, Zhifeng Li, and Yu Qiao. “Age-Invariant Deep Face Recognition.” *IEEE Conference on Computer Vision and Pattern Recognition (CVPR’16)*, Las Vegas, U.S.A, 2016. (**Accepted**)
3. **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.
4. **Yandong Wen**, Weiyang Liu, and Meng Yang. “Efficient Face Alignment via Locality-constrained Representation for Robust Recognition.” *arXiv preprint:1507.07073*, 2015.
5. 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
6. 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.
7. **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.
8. 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.

CORE COURSES

Undergraduate Courses

Advanced Mathematics I 87/100	Advanced Mathematics II 94/100
General Physics I 94/100	General Physics II 99/100
Linear Algebra 85/100	Probabilities & Mathematical Statistics 92/100
C Programming Language II 95/100	Principle & Application of Microcomputer 93/100
Mobile Communication 93/100	Image Manipulation & Analysis 83/100

Embedded System and its Application 90/100 Project of Digital System Design 94/100
Modern Switch Technology 91/100 Principle of Digital Communication 91/100

Postgraduate Courses

Matrix Analysis 92/100 Optimization Methods 93/100
Adaptive Signal Processing 87/100 Modern Digital Signal Processing 90/100
Machine Learning 94/100 Digital Image Processing 93/100