

# Yandong Wen

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RESEARCH INTERESTS	Computer Vision, Deep Learning, Dictionary Learning, Sparse Coding, Face Recognition.
EDUCATION	<b>South China University of Technology (SCUT)</b> , Guangzhou, P. R. China  M.E., School of Electronic and Information Engineering Sep 2013 - Present <ul style="list-style-type: none"><li>• GPA:3.72/4.0, Rank:3/46</li></ul> <b>South China University of Technology (SCUT)</b> , Guangzhou, P. R. China  B.Eng., School of Electronic and Information Engineering Sep 2009 - Jul 2013 <ul style="list-style-type: none"><li>• GPA:3.74/4.0, Rank:21/272</li></ul>
RESEARCH EXPERIENCE	<b>Multimedia Laboratory, Shenzhen Institutes of Advanced Technology</b>  <b>Visiting Student</b> May 2015 - Present <b>Deep Learning for Face Verification</b> <ul style="list-style-type: none"><li>• We achieve the best results (<b>65.27%</b> for face identification and <b>76.52%</b> for face verification) on MegaFace Challenge dataset with 1 million distractors under the protocol of samll training set.</li><li>• We achieve <b>99.28%</b> and <b>99.5%</b> verification accuracy in LFW database by single and ensemble model respectively, only using publicly available training images (0.7M).</li><li>• This work has been submitted to <b>ECCV 2016</b></li></ul> <b>Deep Learning for Age-Invariant Face Recognition</b> <ul style="list-style-type: none"><li>• 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.</li><li>• This work has been accepted by <b>CVPR 2016</b></li></ul> <b>Supervisor:</b> Prof. Zhifeng Li & Prof. Yu Qiao  <b>Intelligent Information Processing Lab, South China University of Technology</b>  <b>Research Assistant</b> Sep 2013 - May 2015 <b>Image-based Face Recognition via Sparse Representation</b> <ul style="list-style-type: none"><li>• We propose novel approaches to address the problem of occlusion, misalignment in face recognition, achieving <b>better performance</b> with <b>less time</b>.</li><li>• Some papers have been published based on this work.</li></ul> <b>Supervisor:</b> Prof. Yuli Fu  <b>Research Intern</b> Sep 2012 - Jul 2013 <b>Image Denoising via Sparse Representation</b> <ul style="list-style-type: none"><li>• Outstanding Bachelor Thesis Award.</li></ul> <b>Supervisor:</b> Prof. Yuli Fu & Prof. Haifeng Li
PROFESSIONAL MEMBERSHIP & ACTIVITIES	<b>Microsoft Technology Club (MSTC), South China University of Technology</b>  <b>Member</b> of the Technology Department Sep 2013 - May 2014 <ul style="list-style-type: none"><li>• 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.</li></ul>

**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**, 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.
2. **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. (Submitted)
3. **Yandong Wen**<sup>\*</sup>, Weiyang Liu<sup>\*</sup>, 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. (**Accepted**)
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. (**Accepted**)
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.