Zhiwen Shao

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Personal

Gender: Male   Date of Birth: December 12, 1994

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Education

Sept. 2015 - Present	Ph.D. candidate in Department of Computer Science and Engineering, Shanghai Jiao Tong University (SJTU), Shanghai, P. R. of China.
Sept. 2011 - Jun. 2015	B.Eng. degree from the School of Computer Science and Technology, Northwestern Polytechnical University (NPU), Xi'an, P. R. of China.

Research Interests

Image Analysis
- Face Alignment, Facial Action Unit Recognition, Face Recognition, Saliency Detection, Image Matching.

Deep Learning
- Convolutional Neural Network, Recurrent Neural Network.

Publications

- **Z. Shao**, H. Zhu, Y. Hao, M. Wang, and L. Ma, "Learning a multi-center convolutional network for unconstrained face alignment," in *IEEE International Conference on Multimedia and Expo (ICME)*. IEEE, 2017, pp. 109-114.
- **Z. Shao**, S. Ding, Y. Zhao, Q. Zhang, and L. Ma, "Learning deep representation from coarse to fine for face alignment," in *IEEE International Conference on Multimedia and Expo (ICME)*. IEEE, 2016, pp. 1-6.
- **Z. Shao**, S. Ding, H. Zhu, C. Wang, and L. Ma, "Face alignment by deep convolutional network with adaptive learning rate," in *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. IEEE, 2016, pp. 1283-1287.
- H. Zhu, X. Tan, **Z. Shao**, Y. Hao, and L. Ma, "Multi-path Feature Fusion Network for Saliency Detection," in *IEEE International Conference on Multimedia and Expo (ICME)*. IEEE, 2018.
- X. Tan, H. Zhu, **Z. Shao**, X. Hou, Y. Hao, and L. Ma, "Saliency Detection by Deep Network with Boundary Refinement and Global Context," in *IEEE International Conference on Multimedia and Expo (ICME)*. IEEE, 2018.
- H. Zhu, B. Sheng, **Z. Shao**, Y. Hao, X. Hou, and L. Ma, "Better initialization for regression-based face alignment," *Computers & Graphics*, 2017.
- H. Zhu, **Z. Shao**, Y. Hao, and L. Ma, "Better face alignment via better initialization," in *IEEE International Conference on Computer-Aided Design and Computer Graphics (CAD/Graphics)*. IEEE, 2017.
- K. Tang, X. Hou, **Z. Shao**, and L. Ma, "Deep feature selection and projection for cross-age face retrieval," in *International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI)*. IEEE, 2017, pp. 1-7.

- Y. Zhao, Y. Li, **Z. Shao**, and H. Lu, "LSOD: Local sparse orthogonal descriptor for image matching," in *ACM International Conference on Multimedia (MM)*. ACM, 2016, pp. 232-236.

Selected Honors

Scholarships
- Leo KoGuan Scholarship   2017
- Leo KoGuan Scholarship   2016
- First Class Scholarship   2013-2014
- National Endeavor Scholarship   2012-2013
- Samsung Scholarship   2012-2013
- First Class Scholarship   2012-2013
- National Endeavor Scholarship   2011-2012
- Wu Yajun Scholarship   2011-2012
- First Class Scholarship   2011-2012

Awards
- Mathematical Contest In Modeling, Honorable Mention   2014
- China Undergraduate Electronic Mathematical Contest In Modeling, Second Prize   2013
- China Undergraduate Mathematical Contest in Modeling, Shaanxi Province, First Prize 2013
- Mathematical Contest of Shaanxi Province of China, Second Prize   2012
- NPU, Outstanding Graduate   2015
- C Programming Contest of NPU, Second Prize   2014
- Mathematical Contest In Modeling of NPU, First Prize   2013
- C Programming Contest of NPU, Second Prize   2013
- Smartcar Contest of NPU, Third Prize   2013
- Mathematical Contest In Modeling of NPU, First Prize   2012
- Photoshop Design Contest of NPU, Second Prize   2012
- Photoshop Design Contest of NPU, Honorable Mention   2011
- Sunshine Project, Outstanding Volunteer   2011

Professional Skills

- **English :** CET-4 567,   CET-6 489,   TOEFL 81.
- **Academic Record:** Undergraduate 87.18 (Top 3.40%), Graduate 2.625 (3.3 GPA Scale).
- **Programming :** C++, Python, Matlab.
- **Deep Learning Framework :** Caffe, PyTorch.

Experiences

Nov. 2017 - Present	Research Assistant	Nanyang Technological University
Mar. 2015 - Sept. 2016	Intern (Joint Project of Tencent and SJTU)	Tencent Youtu Lab
Sept. 2011 - Jan. 2012	Volunteer	Sunshine Project of NPU