

Bin-Bin Gao

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| CONTACT INFORMATION | Nanjing University, Xianlin Campus Mailbox 603 163 Xianlin Avenue, Qixia District Nanjing 210023, China | Phone: +86-18705160956 gaobb@lamda.nju.edu.cn http://lamda.nju.edu.cn/gaobb/ |
| PERSONAL PROFILE | Currently I am a fourth year Ph.D. student of Department of Computer Science and Technology in Nanjing University and a member of LAMDA Group, led by Prof. Zhi-Hua Zhou. I received my M.Sc. degree in applied mathematics in June 2013 from Southwest University, Chongqing China. Since september 2014, I was admitted to study for a Ph.D. degree in Nanjing University under the supervision of Prof. Jianxin Wu. | |
| RESEARCH INTERESTS | Computer Vision, Machine Learning, Deep Learning | |
| EDUCATION | Nanjing University , Nanjing, China Ph.D., Computer Science and Technology, <i>Expected: Summer 2018</i> <ul style="list-style-type: none">• Thesis Topic: <i>Deep Learning Based on Incomplete Label for Visual Recognition</i>• Advisors: Prof. Jianxin Wu Southwest University , Chongqing, China M.S., Applied Mathematics, Jun 2013 <ul style="list-style-type: none">• Thesis Topic: <i>Research on Fuzzy Twin Support Vector Machine Classification Algorithm and Its Application</i>• Advisor: Prof. Jianjun Wang | |
| JOURNAL PUBLICATIONS | <ol style="list-style-type: none">1. Bin-Bin Gao, Chao Xing, Chen-Wei Xie, Jianxin Wu and Xin Geng. “Deep Label Distribution Learning with Label Ambiguity.” <i>IEEE Transactions on Image Processing</i>, 26(6): 2825-2838, 2017.2. Qin-Lin Li, Bin-Bin Gao, Jian-Jun Wang. “Multi-Classification Algorithm for Twin Binary Support Vector Machines.” (in chinese) <i>Journal of Southwest University (Natural Science Edition)</i>, 36(7):162-168, 2014.3. Bin-Bin Gao, Jian-Jun Wang. “Maximum Margin Twin Support Vector Machine for Multi-Class Classification.” (in chinese) <i>Journal of Southwest China Normal University (Natural Science Edition)</i>, 38(10):130-135, 2013. | |
| CONFERENCE PUBLICATIONS | <ol style="list-style-type: none">1. Hong-Yu Zhou, Bin-Bin Gao and Jianxin Wu. “Adaptive Feeding: Achieving Fast and Accurate Detections by Adaptively Combining Object Detectors.” <i>IEEE International Conference on Computer Vision (ICCV 2017)</i>, Venice, Italy, October 2017, pp. xx-xx.2. Hong-Yu Zhou, Bin-Bin Gao and Jianxin Wu. “Sunrise or Sunset: Selective Comparison Learning for Subtle Attribute Recognition.” <i>The 28th British Machine Vision Conference (BMVC 2017)</i>, London, UK, September 2017, pp. xx-xx.3. Hao Yang, Joey Tiany Zhou, Yu Zhang, Bin-Bin Gao, Jianxin Wu and Jianfei Cai. “Exploit Bounding Box Annotations for Multi-label Object Recognition.” <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2016)</i>, Las Vegas, NV, USA, June 2017, pp. 280–288. | |

4. Jianxin Wu, **Bin-Bin Gao** and Guoqing Liu. “Representing Sets of Instances for Visual Recognition.” *AAAI Conference on Artificial Intelligence*(AAAI 2016), Phoenix, Arizona, USA, Feb 2016, pp. 2237–2243.
5. Xu Yang, **Bin-Bin Gao**, Chao Xing, Zeng-Wei Huo, Xiu-Shen Wei, Ying Zhou, Jianxin Wu and Xin Geng. “Deep Label Distribution Learning for Apparent Age Estimation.” *IEEE International Conference on Computer Vision (ICCV15) workshop*, Santiago, Chile, 2015, pp. 102–108.
6. Xiu-Shen Wei, **Bin-Bin Gao** and Jianxin Wu. “Deep Spatial Pyramid Ensemble for Cultural Event Recognition.” *IEEE International Conference on Computer Vision (ICCV15) workshop*, Santiago, Chile, 2015, pp. 38–44.
7. **Bin-Bin Gao**, Jian-Jun Wang, Yao Wang and Chan-Yun Yang. “Coordinate Descent Fuzzy Twin Support Vector Machine for Classification.” *IEEE 14th International Conference on Machine Learning and Applications*(ICMLA 2015), Miami, Florida, USA, 2015, pp. 7–12.

TECHNICAL REPORTS

1. **Bin-Bin Gao**, Xiu-Shen Wei, Jianxin Wu, Weiyao Lin. “Deep Spatial Pyramid: The Devil is Once Again in the Details.” *arXiv:1504.05277v2*, 2015.

AWARDS

- Nanruijibao Scholarship in Nanjing University Nov 2016
- Second-class Academic Scholarship of Nanjing University 2014, 2015
- Outstanding Thesis Award of Southwest University Jun 2013
- First-class Academic Scholarship of Southwest University 2011–2012
- Outstanding Undergraduates Awards Jun 2010
- National Scholarship for Encouragement 2007, 2008

COMPETITIONS

- First runner-up in Cultural Event Recognition at ICCV 2015 Dec 2015
- Meritorious Winner of Certificate Authority Cup Mathematical Contest in Modeling May 2012
- Second Prize in China Graduate Mathematical Contest in Modeling Dec 2011
- Third Prize in China Undergraduate Mathematical Contest(Finals) May 2010
- First Prize in China Undergraduate Mathematical Contest(Preliminaries) Nov 2009

TEACHING ASSISTANTS

- Pattern Recognition Spring 2017
Instructor: Prof. Jianxin Wu
For undergraduate and graduate students
- Probability and Statistics Spring 2017
Instructor: Bin Tang, Ph.D
For undergraduate students

PROFESSIONAL SERVICE

- Reviewer
- PC Member for CVPR 2018, CVPR 2017, ICCV 2017, AAAI 2016
 - Review for Elsevier Journal of Neural Networks (NN)

PERSONAL SKILLS

- Programming
- Lua, Matlab, Python, C, Latex
- Frameworks
- Torch, MatConvNet, Caffe