

# Jinzhao Wang

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## Education

**Peking University, China** 2013-Present  
Ph.D. in school of EECS, advised by Prof. Wen Gao and Prof. Wenmin Wang

**Peking University, China** 2009-2013  
B.S. in school of EECS, advised by Prof. Yanchun Sun

## Research Interests

Computer vision (Image/video classification, action recognition/detection/prediction in videos)

Deep learning (Collaborative learning for network assistance)

## Publications

1. **Jinzhao Wang**, Wenmin Wang, Ronggang Wang and Wen Gao. Beyond Monte Carlo Tree Search: Playing Go with Deep Alternative Neural Network and Long-Term Evaluation. In **AAAI**, 2017.
2. Xionghao Chen, Wenmin Wang, Weimian Li and **Jinzhao Wang**. Learning Object-centric Transformation for Video Prediction. In **ACM MM**, 2017.
3. Baoyang Chen, Wenmin Wang and **Jinzhao Wang**, Xionghao Chen. Imagination on Image: Synthesizing Videos with Transformation Generation. In **ACM MM**, 2017.
4. Yihao Zhang, Wenmin Wang, Jinzhao Wang. Collaborative Networks for Person Verification. In **ACM MM Workshop** 2017.
5. Gang Wang, Wenmin Wang and **Jinzhao Wang**. Better Deep Visual Attention with Reinforcement Learning in Action Recognition. In **ISCAS**, 2017.
6. Weimian Li, Wenmin Wang and **Jinzhao Wang**. A Joint Model for Action Localization and Classification in Untrimmed Video with Visual Attention. In **ICME**, 2017.
7. Xionghao Chen, Wenmin Wang and **Jinzhao Wang**, Weimian Li, Baoyang Chen. Long-Term Video Interpolation with Bidirectional Predictive Network. In **ISCAS**, 2017.
8. Xionghao Chen, Wenmin Wang, Weimian Li and **Jinzhao Wang**. Tube ConvNets: Better Exploiting Motion for Action Recognition. In **CAIP**, 2017.
9. Hongmeng Song, Wenmin Wang and **Jinzhao Wang**. Collaborative Deep Networks for Pedestrian Detection. In **BigMM**, 2017. **Best Paper Award**
10. **Jinzhao Wang**, Wenmin Wang, Ronggang Wang and Wen Gao. CSPS: An Adaptive Pooling Method for Image Classification. 2016, **IEEE Transaction on Multimedia**, 18, 1000–1010.
11. **Jinzhao Wang**, Wenmin Wang, Ronggang Wang, Xionghao Chen and Wen Gao. Deep Alternative Neural Network: Exploring Contexts as Early as Possible for Action Recognition. In **NIPS**, 2016.

12. Zhihao Li, Wenmin Wang, Nannan Li and **Jinzhao Wang**. Tube ConvNets: Better Exploiting Motion for Action Recognition. In **ICIP**, 2016.
13. **Jinzhao Wang**, Wenmin Wang, Ronggang Wang and Wen Gao. Learning Class-Specific Pooling Shapes for Image Classification. In **ICME**, 2015.
14. **Jinzhao Wang**, Wenmin Wang, Ronggang Wang and Wen Gao. A Compact Shot Representation for Video Semantic Indexing. In **ICIP**, 2015.
15. **Jinzhao Wang**, Wenmin Wang, Ronggang Wang and Wen Gao. Image Classification Using RBM to Encode Local Descriptors with Group Sparse Learning. In **ICIP**, 2015.

## Project Experiences

National Natural Science Foundation of China 61672063, 2017.3 - 2017.9

**Software Engineer**, Advisor: Prof. Ronggang Wang

Conducted researches on video prediction and imagination with collaborative learning

China Project 863 of 2015AA015905, 2015.3 - 2016.3

**Software Engineer**, Advisor: Prof. Wen Gao

Developed algorithms for joint action recognition and detection in videos

National Natural Science Foundation of China 61370115, 2014.6 - 2014.9

**Software Engineer**, Advisor: Prof. Ronggang Wang and Prof. Wenmin Wang

Exploited combination of traditional local spatiotemporal features such as dense trajectory and deep neural networks for action recognition in videos

Shenzhen Peacock project, 2013.9 - 2014.3

**Software Engineer**, Advisor: Prof. Wenmin Wang, Prof. Ge Li, Prof. Ronggang Wang

Proposed efficient image classification algorithms with adaptive pyramid pooling strategies

## Technical Skills

Programming Languages: C/C++, Python, Matlab, Java

Development Environments: Linux/Unix, Windows, MacOS

Deep Learning Frameworks: Caffe, Torch7, Tensorflow, PyTorch, MXNet

Languages: Fluent English and Native Chinese

## Awards and Honor

National Scholarship of China, 2015-2016

Talent Scholarship of Peking University, 2015-2016

School Scholarship of Peking University, 2013-2017

Champion of PKU-THU Go Competition, 2009-2013

Champion of National Junior Championship of Go, 2003

## Specialities

Go (Also known as 圍棋、围棋、囲碁、바둑 ): 6 dan level - More than ten years of professional training experience from the age of 5

## References

Professor Wen Gao

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Professor Wenmin Wang

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<http://dblp.dagstuhl.de/pers/hd/w/Wang:Jinzhuo>