BOWEN ZHANG

E-mail: 1023zhangbowen@tongji.edu.cn, Homepage: http://zbwglory.github.io

No. 4800, Cao'an Highway, College of Electronics and Information Engineering

Tongji University, Shanghai, China

EDUCATION

Tongji University   *Sept. 2014 - Present*
Master Candidate in Computer Engineering, Advisor: Prof. Hanli Wang.
Overall GPA: 5.0/5.0 (96.3/100)

Tongji University   *Sept. 2010 - Jul. 2014*
B.Eng. in Computer Science and Technology, Advisor: Prof. Hanli Wang.
Maths Elite Class, Minor in Mathematics.
Overall GPA: 4.52/5.0 (90.23/100)
Best Bachelor Thesis of Tongji University.

RESEARCH INTERESTS

Computer Vision   Action Recognition/Detection.
Machine Learning   Deep Learning, Knowledge Transfer.

RESEARCH EXPERIENCE

SIAT, Chinese Academy of Sciences   *Jul. 2015 - Present*
Research Center for Integrate Multimedia, Advisor: Prof. Yu Qiao   *Visiting Student, Research Assistant*

· We developed a real-time action recognition algorithm with CNNs. Our algorithm achieved $> 300fps$ (frames per second) processing speed with high performance. Our paper is accepted by CVPR'16.

· We developed a novel action recognition algorithm to achieve the state-of-the-art performance on untrimmed video classification. We obtained the 1st at the 2016 ActivityNet Challenge on CVPR'16.

Tongji University   *Sept. 2014 - Present*
Multimedia and Intelligent Computing Lab, Advisor: Prof. Hanli Wang   *Master Candidate*

· We developed an action recognition algorithm to encode spatial-temporal scale information into Fisher Vector. Our paper is accepted by VCIP'15 as oral presentation.

· We designed an event detection algorithm to achieve the 1st place on The MediaEval 2015 Affective Impact of Movie Task Challenge.

PUBLICATIONS

1 **Bowen Zhang**, Limin Wang, Zhe Wang, Yu Qiao and Hanli Wang, Real-time Action Recognition with Enhanced Motion Vector CNNs, *IEEE Conference on Computer Vision and Pattern Recognition* (*CVPR'16*), Las Vegas, USA, 2016. (Citations: 9)

2 Zhe Wang, Limin Wang, Yali Wang, **Bowen Zhang** and Yu Qiao, Weakly Supervised PatchNets: Describing and Aggregating Local Patches for Scene Recognition, arXiv:1609.00153. (Under review for IEEE Trans. on Image Processing)

3 Yuanjun Xiong, Limin Wang, Zhe Wang, **Bowen Zhang**, Hang Song, Wei Li, Dahua Lin, Yu Qiao, Luc Van Gool and Xiaoou Tang, CUHK & ETHZ & SIAT Submission to ActivityNet Challenge 2016, *ActivityNet Large Scale Activity Recognition Challenge, CVPR'16 Workshop*, Las Vegas, USA, 2016. (Citations: 1)

4 **Bowen Zhang** and Hanli Wang, Encoding Scale into Fisher Vector for Human Action Recognition, *IEEE Conference on Visual Communications and Image Processing* (*VCIP'15*), Singapore, 2015. (**Oral Presentation**)

5 Yun Yi, Hanli Wang, **Bowen Zhang** and Jian Yu, MIC-TJU in MediaEval 2015 Affective Impact of Movies Task, *MediaEval 2015 Workshop*, Wurzen, Germany, 2015. (Citations: 2)

6 **Bowen Zhang**, Yun Yi, Hanli Wang and Jian Yu, MIC-TJU at MediaEval Violent Scenes Detection (VSD) 2014, *MediaEval 2014 Workshop*, Barcelona, Spain, 2014. (Citations: 4)

CONTESTS

The ActivityNet Challenge 2016 at CVPR'16: Untrimmed Video Classification. *Rank* 1st.	*Jul. 2016*
LSUN Challenge 2016 at CVPR'16: Scene Classification. *Rank* 1st.	*Jul. 2016*
MediaEval'15 Affective Impact. Violence: *Rank:* 2nd; Valence: *Rank:* 2nd; Arousal: *Rank:* 1st.	*Sept. 2015*
MediaEval'14 Affect in Multimedia. Main: *Rank:* 4th; Generalization: *Rank:* 4th.	*Sept. 2014*

HONORS AND AWARDS

National Graduate Scholarship of China	*2016*
Huawei Scholarship (9 recipients in Tongji University)	*2015*
Fellowship for Graduate Study	*2014-present*
Best Bachelor Thesis of Tongji University (2 recipients in CS department)	*2014*
Be recommended for graduation school with excellent grade (10 recipients in CS department)	*2013*
Outstanding student of Tongji University	*2013*
Volkswagen Scholarship (3 recipients in CS Department)	*2012*
Scholarship for Academic Excellence of Tongji University	*2011, 2012, 2013*
China Undergraduate Mathematical Contest in Modeling (CUMCM) *Province Third Prize*	*2012*
The Mathematics Contest in Modeling (MCM) *Honorable mention*	*2012*
Programming Contest of Tongji University *Third Prize, Second Prize*	*2011, 2012*

CODE SKILLS

C/C++, Caffe, Python

STANDARDIZED TESTS

TOEFL: 103 (Reading: 30, Listening: 27, Speaking: 22, Writing: 24)

GRE: 322+3.0 (Verbal: 154, Quantitative: 168, Analytical Writing: 3.0)