

BOWEN ZHANG

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MCB 407, 1002 West Childs Way

University of Southern California

EDUCATION

University of Southern California *Sept. 2017 - Present*
Ph.D. student in Computer Science, Advisor: Prof. Fei Sha.

Tongji University *Sept. 2014 - Mar. 2017*
M.Eng. in Computer Technology, 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, Action Localization.
Machine Learning Deep Learning, Reinforcement Learning, Knowledge Transfer.

RESEARCH EXPERIENCE

Tencent AI Lab at Seattle *Jun. 2018 - Aug. 2018*
Advisor: Dr. Boqing Gong *Intern*

University of Southern California *Sept. 2017 - Present*
Theoretical & Empirical Data Science Laboratory, Advisor: Prof. Fei Sha *Research Assistant*

SIAT, Chinese Academy of Sciences *Jul. 2015 - Jul. 2017*
Research Center for Integrate Multimedia, Advisor: Prof. Yu Qiao *Visiting Student*

Tongji University *Sept. 2014 - Mar. 2017*
Multimedia and Intelligent Computing Lab, Advisor: Prof. Hanli Wang *Master Student*

PUBLICATIONS

- 1 Melissa Ailem, **Bowen Zhang**, Aurlien Bellet, Pascal Denis, and Fei Sha, A Probabilistic Model for Joint Learning of Word Embeddings from Texts and Images, *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2018
- 2 **Bowen Zhang**^{*}, Hexiang Hu^{*}, and Fei Sha, Cross-Modal and Hierarchical Modeling of Video and Text, *European Conference on Computer Vision (ECCV)*, 2018
- 3 **Bowen Zhang**, Limin Wang, Zhe Wang, Yu Qiao, and Hanli Wang, Real-Time Action Recognition with Deeply-Transferred Motion Vector CNNs, *IEEE Transactions on Image Processing (TIP)*, 2018
- 4 Zhe Wang, Limin Wang, Yali Wang, **Bowen Zhang**, and Yu Qiao, Weakly supervised patchnets: Describing and aggregating local patches for scene recognition, *IEEE Transactions on Image Processing (TIP)*, 2017

- 5 Yue Zhao, **Bowen Zhang**, Zhirong Wu, Shuo Yang, Lei Zhou, Sijie Yan, Limin Wang, Yuanjun Xiong, Dahua Lin, Yu Qiao, and Xiaoou Tang, CUHK & ETHZ & SIAT Submission to ActivityNet Challenge 2017, *ActivityNet Large Scale Activity Recognition Challenge, CVPR'17 Workshop*, Hawaii, USA, 2017.
- 6 **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.
- 7 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.
- 8 **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**)
- 9 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.
- 10 **Bowen Zhang**, Yun Yi, Hanli Wang, and Jian Yu, MIC-TJU at MediaEval Violent Scenes Detection (VSD) 2014, *MediaEval 2014 Workshop*, Barcelona, Spain, 2014.

CONTESTS

The ActivityNet Challenge 2017 on CVPR'17: Untrimmed Classification. Rank 2/37.	Jul. 2017
The ActivityNet Challenge 2017 on CVPR'17: Trimmed Classification. Rank 2/27.	Jul. 2017
The ActivityNet Challenge 2017 on CVPR'17: Action Localization. Rank 2/15.	Jul. 2017
The ActivityNet Challenge 2016 on CVPR'16: Untrimmed Video Classification. Rank 1/25.	Jul. 2016
LSUN Challenge 2016 on CVPR'16: Scene Classification. Rank 1 st .	Jul. 2016
MediaEval'15 Affective Impact. Violence: Rank: 2 nd ; Valence: Rank: 2 nd ; Arousal: Rank: 1 st .	Sept. 2015
MediaEval'14 Affect in Multimedia. Main: Rank: 4 th ; Generalization: Rank: 4 th .	Sept. 2014

SELECTED HONORS AND AWARDS

Shanghai Outstanding Graduates	2017
National Graduate Scholarship of China	2016
Huawei Scholarship (9 recipients in Tongji University)	2015
Best Bachelor Thesis of Tongji University (2 recipients in CS department)	2014
Volkswagen Scholarship (3 recipients in CS Department)	2012
Scholarship for Academic Excellence of Tongji University	2011, 2012, 2013
The Mathematics Contest in Modeling (MCM) <i>Honorable mention</i>	2012

CODE SKILLS

Python, Matlab, C/C++

ACADEMIC SERVICE

Reviewer of CVPR 2019, NAACL 2019 and IEEE Transactions on Image Processing (**TIP**).