

BOWEN ZHANG

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MCB 407, 1002 West Childs Way

University of Southern California

EDUCATION

University of Southern California

Ph.D. student in Computer Science, Advisor: Prof. Fei Sha.

Sept. 2017 - Present

Tongji University

M.Eng. in Computer Technology, Advisor: Prof. Hanli Wang.

Overall GPA: 5.0/5.0 (96.3/100)

Sept. 2014 - Mar. 2017

Tongji University

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.

Sept. 2010 - Jul. 2014

RESEARCH INTERESTS

Computer Vision

Action Recognition/Detection.

Machine Learning

Deep Learning, Knowledge Transfer.

RESEARCH EXPERIENCE

Tencent AI Lab at Seattle

Advisor: Dr. Boqing Gong

Jun. 2018 - Aug. 2018

Intern

University of Southern California

Theoretical & Empirical Data Science Laboratory, Advisor: Prof. Fei Sha

Sept. 2017 - Present

Research Assistant

SIAT, Chinese Academy of Sciences

Research Center for Integrate Multimedia, Advisor: Prof. Yu Qiao

Jul. 2015 - Jul. 2017

Visiting Student

Tongji University

Multimedia and Intelligent Computing Lab, Advisor: Prof. Hanli Wang

Sept. 2014 - Mar. 2017

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

SELECTED HONORS AND AWARDS

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

CODE SKILLS

Python, Matlab, C/C++

ACADEMIC SERVICE

Reviewer of IEEE Transactions on Image Processing (**TIP**)