

Bowen Zhang

CONTACT INFORMATION	<p>Master Candidate Department of Computer Science and Technology College of Electronics and Information Engineering Tongji University No.4800 Cao'an Highway, Shanghai, China</p> <p><i>Mobile:</i> +86 18116018867 <i>E-mail:</i> 102310@tongji.edu.cn</p>
RESEARCH INTERESTS	<p>Computer vision in video classification and machine learning: Trajectory-based descriptors, Bag-of-Words encoding (Fisher Vector, Vector of Locally Aggregated Descriptors), Deep neural network, Real-time action recognition.</p>
EDUCATION	<p>Tongji University, Shanghai, China</p> <p>Master of Engineering, Computer Engineering, 9/2014 -</p> <ul style="list-style-type: none">• Multimedia and Intelligent Computing Lab• Supervisor: Professor Hanli Wang• Area of Study: Computer Vision and Machine Learning• GPA: 96.38 / 100 <p>Bachelor of Engineering, Computer Science and Technology, 9/2010 - 6/2014</p> <ul style="list-style-type: none">• Elite class of enhancement on Mathematics (Major in Computer Science)• Thesis: <i>Video classification based on trajectory and pyramid techniques.</i> (in Chinese)• Adviser: Professor Hanli Wang• Overall GPA: 4.52 / 5.0 (Top 5%)• Overall GPA on 100 basis: 90.23 / 100• Minor in Applied Mathematics (Tongji University)• Minor in Deutsch (Shanghai International Studies University)
RESEARCH EXPERIENCE	<p>Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen, Guangdong, China</p> <p>Visiting student, 7/2015 -</p> <ul style="list-style-type: none">• Research Center for Integrate Multimedia, Institute of Advanced Integration Technology• Supervisor: Professor Yu Qiao• Area of Study: CNNs based Real-time Action Recognition System
PUBLICATIONS	<p>[1] Bowen Zhang, Limin Wang, Zhe Wang, Yu Qiao and Hanli Wang, Real-time Action Recognition with Enhanced Motion Vector CNNs, <i>IEEE Conference on Computer Vision and Pattern Recognition</i>, Las Vegas, Nevada, USA, 2016.</p> <p>[2] Bowen Zhang and Hanli Wang, Encoding Scale into Fisher Vector for Human Action Recognition, <i>IEEE Conference on Visual Communications and Image Processing</i>, Singapore, 2015. (Oral Presentation)</p> <p>[3] Yun Yi, Hanli Wang, Bowen Zhang and Jian Yu, MIC-TJU in MediaEval 2015 Affective Impact of Movies Task, <i>MediaEval 2015 Workshop</i>, Wurzen, Germany, Sept. 14-15, 2015.</p> <p>[4] Bowen Zhang, Yun Yi, Hanli Wang, and Jian Yu, MIC-TJU at MediaEval Violent Scenes Detection (VSD) 2014, <i>MediaEval 2014 Workshop</i>, Barcelona, Spain, Oct.16-17, 2014.</p>

HONORS AND
AWARDS

Academic:

- [1] Best undergraduate thesis of Tongji University (**Top 2%**)
- [2] Merit student of Tongji University
- [3] Be recommended for graduation school with excellent grade (**Top 10%**)

Contest:

- [1] **The first place of the ActivityNet Challenge 2016 at CVPR 2016.**
- [2] The Mathematics Contest in Modeling (MCM) *Honorable mention*
- [3] Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM)
Third Prize of Shanghai
- [4] Programming Contest of Tongji University *Second prize*
- [5] Programming Contest of Tongji University *Third prize*

Scholarship:

- [1] Huawei Scholarship
- [2] Fellowship for master degree
- [3] Volkswagen Scholarship
- [4] Second-class scholarship for Academic Excellence of Tongji University (Twice)
- [5] Third-class scholarship for Academic Excellence of Tongji University (Once)

ENGLISH
PROFICIENCY

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

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

CODING SKILLS

C/C++, OpenCV, Matlab, Caffe