

# Bingbing Zhuang

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## Education

- 2015–Present **Ph.D. Candidate in Electrical and Computer Engineering.**  
National University of Singapore  
advisors: Loong Fah Cheong, Gim Hee Lee
- 2011–2015 **Bachelor in Electric Engineering and Information Science.**  
University of Science and Technology of China (USTC), Hefei, China  
GPA: 3.96/4.30, Rank: 3/105; Math GPA: 4.20/4.30

## Research Interests

3D Computer Vision in general, especially in Structure from Motion and 3D reconstruction, and its application to robotics.

## Experience

- 2018 **Research Intern**, NEC Laboratories America.
- Jun.–Nov. Working With Manmohan Chandraker, Quoc-Huy Tran and Pan Ji in the Media Analytics group. Research on robust Structure-from-Motion and SLAM on unconstrained video.
- 2014 **Research Intern**, *Computer Science*, The University of Hong Kong.
- Jul.–Aug. Advisor: Prof. Yizhou Yu. Research on Person Re-identification problem based on metric learning and post-rank optimization
- 2014 Jun. **Research Engineer**, *Information Processing Center*, USTC.
- 2015 Jun. Advisor: Prof. Nenghai Yu. Research on abnormal event detection in video based on sparse coding.

## Publication

**Bingbing Zhuang**, Loong-Fah Cheong, Gim Hee Lee. Baseline Desensitizing In Translation Averaging. *Computer Vision and Pattern Recognition (CVPR)*, 2018.

**Bingbing Zhuang**, Loong-Fah Cheong, Gim Hee Lee. Rolling-Shutter-Aware Differential SfM and Image Rectification. *International Conference on Computer Vision (ICCV)*, 2017.

**Bingbing Zhuang**, Ziping Zhu, Fangbemi Abassin Sourou, Nenghai Yu. Person Re-Identification by the marriage of KISS Metric Learning and Post-Rank Optimization: KISSPOP. *International Conference on Internet Multimedia Computing and Service (ICIMCS)*, 2015

## Selected Awards

- 2015–2019 President's Graduate Fellowship, NUS
- 2015 Excellent Bachelor's Thesis Award (Top 5%), USTC
- 2015 Honorary Rank of Academic Achievement of the Grade 2011 Undergraduates (Top 5%), USTC
- 2011–2015 Top 3 cumulative GPA in the department of EEIS, USTC
- 2011–2015 Numerous Scholarship, USTC
- 2010 Province First Prize in China National Physics Olympiad

## Professional Services

Reviewer: Computer Vision and Pattern Recognition (CVPR)

## Teaching Assistant

2017 Fall, EE5731 Visual Computing, NUS; 2016/2017/2018 Spring, EE4212 Computer Vision, NUS; 2016 Fall, CG3207 Computer Architecture, NUS; 2014 Fall, Programming in C language, USTC.