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 Jun.-Nov.	**Research Intern**, NEC Labtoratories America. Woring 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 Jul.-Aug.	**Research Intern**, *Computer Science*, The University of Hong Kong. Advisor: Prof. Yizhou Yu. Research on Person Re-identification problem based on metric learning and post-rank optimization
2014 Jun. -2015 Jun.	**Research Engineer**, *Information Processing Center*, USTC. 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

Reviwer: Computer Vision and Patter 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.