LEI ZHOU

Personal site: `https://zlthinker.github.io/`

Tel: (+852) 52267098 (Hong Kong) / zhoulei_thinker (Skype)

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EDUCATION

Hong Kong University of Science and Technology   *September 2015 - Present*

Ph.D. - The Department of Computer Science & Engineering

Research Interests: 3D Reconstruction, Structure from Motion, SLAM, Image Matching
Advisor: Professor Long Quan

Zhejiang University, Mainland China   *September 2011 - July 2015*

B.S. - College of Information Science & Electronic Engineering

GPA: 3.88 / 4.0

RESEARCH EXPERIENCE

Computer Vision & Graphics Lab, HKUST   September 2015 - Present
PhD Candidate   *Hong Kong*

· Advisor: Professor Long Quan
· Area: Large Scale-Invariant Image Matching

  – Propose progressive image matching approach to tackling significant scale changes of image views.

  – Reference: `http://openaccess.thecvf.com/content_iccv_2017/html/Zhou_Progressive_Large_Scale-Invariant_ICCV_2017_paper.html`

· Area: Parallel Structure from Motion

  – Develop parallel structure from motion system for reconstruction from city-scale image sets.

  – Reference: `https://arxiv.org/abs/1702.08601`

Mobile Computing Group,
Intel Asia-Pacific Research & Development Ltd.   July 2014 - May 2015
Research Intern   *Shanghai*

· Advisor: Haicheng Li
· Area: Android System Development

  – Designed a profiling tool of mobile devices' power consumption based on process scheduling.

PUBLICATIONS

· "Progressive Large Scale-Invariant Image Matching in Scale Space", ICCV 2017
  Lei Zhou, Siyu Zhu, Tianwei Shen, Jinglu Wang, Tian Fang, Long Quan

· "Parallel Structure from Motion from Local Increment to Global Averaging", arXiv:1702.08601
  Siyu Zhu, Tianwei Shen, **Lei Zhou**, Runze Zhang, Jinglu Wang, Tian Fang, Long Quan

SELECTED AWARDS & SCHOLARSHIPS

· Postgraduate Scholarship, HKUST, 2015-2019.

· Second-Class Scholarship for Outstanding Merits Awarded, Zhejiang University, 2013-2014
· Second-Class Scholarship for Outstanding Students Awarded, Zhejiang University, 2013-2014
· Second Prize of the National Talents Training Base Awarded, Zhejiang University, 2013-2014
· Scholarship for Xinpin Stipend Awarded, Zhejiang University, 2013-2014

TECHNICAL STRENGTHS

Computer Languages	C/ C++, Java, Python
Libraries & APIs	OpenCV, OpenGL, Caffe, Tensorflow
Software & Platform	Matlab/ Octave, Meshlab, J2EE, LaTeX
Tools	Git, Vim