

Xiaolong ZHU

CONTACT INFORMATION	Room 411, CYC Bldg Department of Computer Science The University of Hong Kong Hong Kong SAR	Mobile: +852-9768-5403 MSN: lucienzhu@hotmail.com E-mail: lucienzhu@gmail.com WWW: xiaolongzhu.org
RESEARCH INTERESTS	Computer Vision, including <i>Gesture Recognition</i> , <i>Object Recognition</i> ; Machine Learning, including <i>Supervised Learning</i> , <i>Online Learning</i> .	
EDUCATION	The University of Hong Kong, Hong Kong SAR, China Ph.D. Candidate, <i>Computer Science</i> , September 2010 - present <ul style="list-style-type: none">• Adviser: Dr. Kenneth K. Y. Wong• Area of Study: Computer Vision, especially machine learning for <i>gesture recognition</i> Peking University, Beijing, China B.S., <i>Machine Intelligence</i> September 2006 - June 2010 <ul style="list-style-type: none">• Thesis Title: Segmentation and Classification of Range Image.• <i>Excellent Undergraduate Thesis Award</i>.• Advisor: Dr. Huijing Zhao	
PUBLICATIONS	[Refereed Conference Papers] <ol style="list-style-type: none">1. Xiaolong Zhu, Kwan-Yee K. Wong. Single-Frame Hand Gesture Recognition Using Color and Depth Kernel Descriptors. <i>IEEE International Conference on Pattern Recognition (ICPR)</i>, 2012.2. Zhihu Chen, Kwan-Yee K. Wong, Yasuyuki Matsushita, Xiaolong Zhu, Miaomiao Liu. Self-Calibrating Depth from Refraction. <i>IEEE International Conference on Computer Vision (ICCV)</i>, 2011.3. Xiaolong Zhu, Huijing Zhao, Yiming Liu, Yipu Zhao, Hongbin Zha. Segmentation and Classification of Range Image from an Intelligent Vehicle in Urban Environment. <i>IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)</i>, 2010.4. Huijing Zhao, Yiming Liu, Xiaolong Zhu, Yipu Zhao, Hongbin Zha. Scene Understanding in a Large Dynamic Environment through a Laser-based Sensing. <i>IEEE International Conference on Robotics and Automation (ICRA)</i>, 2010. [Journal Papers] <ol style="list-style-type: none">1. Zhihu Chen, Kwan-Yee K. Wong, Yasuyuki Matsushita, Xiaolong Zhu. Depth from Refraction Using a Transparent Medium with Unknown Pose and Refractive Index. <i>International Journal of Computer Vision (IJCV)</i>, 2012.	
HONORS & AWARDS	<ul style="list-style-type: none">• Studentship of the University of Hong Kong, 2010-2012• Top 10 Undergraduate Thesis, School of EECS in Peking University, 2010• Wusi Scholarship in Peking University, 2009• Outstanding Volunteer in Beijing 2008 Olympic Games, 2008• First Class Honor in China Physics Olympic Games, Gansu, 2006	

EXPERIENCE	The University of Hong Kong,	Hong Kong SAR, China
	<i>Teaching Assistant</i>	September 2011 - December 2011
	<ul style="list-style-type: none"> Assisted Dr. Chun Kit Chui in Computer Programming and Applications; Provided office hours to first-year engineering students; Graded assignments on programming. 	
	<i>Teaching Assistant</i>	September 2010 - December 2010
	<ul style="list-style-type: none"> Assisted Dr. Kenneth K.Y. Wong in Computer Programming and Applications; Provided office hours and tutorials to first-year engineering students; Graded assignments on programming. 	
	Peking University,	Beijing, China
	<i>Undergraduate Research Assistant</i>	September 2008 - June 2010
	<ul style="list-style-type: none"> Participated in the POSS project, in 3D VCR Lab; Analyzed range data using computer vision methods. 	
PROFESSIONAL EXPERIENCE	Lenovo IVC Lab,	Hong Kong SAR, China
	<i>Research Intern</i>	June 2013 - August 2013
	<ul style="list-style-type: none"> Innovated new ways for image searching. Designed a prototype of Touch-based Image Retrieval and demonstrated to CTO. 	
	Microsoft Research Asia,	Beijing, China
	<i>Research Intern</i>	June 2012 - September 2012
	<ul style="list-style-type: none"> Learned HCI workflow of problem solving; Designed visual feedback for in-air gesture recognition. 	
	NetEase R&D.,	Beijing, China
	<i>Software Engineer Intern</i>	June 2010 - August 2010
	<ul style="list-style-type: none"> Coded web front-end of a Location-based Social Network Service; Cooperated with web designer. 	
TECHNICAL SKILLS	<ul style="list-style-type: none"> Programming in: C/C++, Matlab, JavaScript, Python Basic Experience in: jQuery/HTML/CSS, Processing, UNIX Shell scripting Operating Systems: Microsoft Windows family, Mac OS X 	
SOCIAL ACTIVITIES	<ul style="list-style-type: none"> IT Officer of Postgraduate Association (PGSA) in The University of Hong Kong, 2011-2013 Volunteer as Media Assistant for Journalists in Games of the XXIX Olympiad, 2008 	