

CONTACTS	<p>University of California, Los Angeles  Department of Statistics  9401 Bolter Hall  Los Angeles, CA 90095, USA</p>	<p>E-mail: <a href="mailto:huangsiyuan@ucla.edu">huangsiyuan@ucla.edu</a>  Homepage: <a href="http://www.siyuanhuang.com">www.siyuanhuang.com</a>  Phone: +1 (334) 524-7833</p>
EDUCATION	<p><b>University of California, Los Angeles (UCLA)</b>, CA, USA  Ph.D., Statistics  Advisor: Professor Song-Chun Zhu  GPA: 4.0/4.0</p> <p><b>Expected: Jun 2021</b></p> <p><b>Tsinghua University (THU)</b>, Beijing, China  B.E., Automation  GPA: 90.4/100</p> <p><b>Sep 2012 - Jun 2016</b></p>	
RESEARCH INTERESTS	<p><b>Computer Vision:</b> 3D scene understanding, 3D perception, human-object interaction  <b>Machine Learning:</b> graphical model, generative model, deep learning  <b>Robotics:</b> perception in robotics</p>	
RESEARCH EXPERIENCE	<p><b>Center for Vision, Cognition, Learning and Art (VCLA)</b>, UCLA  <i>Graduate Student Researcher</i>  Advisor: Professor Song-Chun Zhu</p> <p><b>Sep 2016 - present</b></p> <p><b>Intelligent Vision Group (IVG)</b>, THU  <i>Research Assistant</i>  Advisor: Professor Jiwen Lu, Professor Jie Zhou</p> <p><b>Sep 2014 - Apr 2016</b></p> <p><b>Pattern Recognition and Image Processing (PRIP) Lab</b>, MSU  <i>Research Intern</i>  Advisor: Professor Anil K. Jain</p> <p><b>Jul 2015 - Sep 2015</b></p>	
PUBLICATIONS	<p>(* indicates equal contributions )</p> <p><b>S. Huang</b>, X. Fang, Y. Zhu, Y. N. Wu, S.-C. Zhu, “Learning 3D Mesh Generator from Image Collections by Unsupervised Disentanglement of Shape, Pose and Texture”, submitted to <i>International Conference on Machine Learning (ICML)</i>, 2019</p> <p><b>S. Huang</b>, S. Qi, Y. Zhu, S.-C. Zhu, “3D Scene Graph from a Single RGB Image”, submitted to <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2019</p> <p>Y. Chen*, <b>S. Huang*</b>, Y. Tao, Y. Zhu, S.-C. Zhu, “Joint Parsing of 3D Human Pose and 3D Scene by Physical Commonsense and Human-Object Interaction”, submitted to <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2019</p> <p><b>S. Huang</b>, S. Qi, Y. Xiao, Y. Zhu, Y. N. Wu, S.-C. Zhu, “Cooperative Holistic Scene Understanding: Unifying 3D Object, Layout, and Camera Pose Estimation”, <i>Neural Information Processing Systems (NIPS)</i>, 2018</p> <p><b>S. Huang</b>, S. Qi, Y. Zhu, Y. Xiao, Y. Xu, S.-C. Zhu, “Holistic 3D Scene Parsing and Reconstruction from a Single RGB Image”, <i>European Conference on Computer Vision (ECCV)</i>, 2018</p> <p>C. Jiang*, S. Qi*, Y. Zhu*, <b>S. Huang*</b>, J. Lin, X. Guo, L.-F. Yu, D. Terzopoulos and S.-C. Zhu, “Configurable 3D Scene Synthesis and 2D Image Rendering with Per-Pixel Ground Truth using Stochastic Grammars”, <i>International Journal of Computer Vision (IJCV)</i>, 2018</p> <p>S. Qi, Y. Zhu, <b>S. Huang</b>, C. Jiang, S.-C. Zhu, “Human-centric Indoor Scene Synthesis using Stochastic Grammar”, <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2018</p>	

S. Qi, **S. Huang**, P. Wei and S.-C. Zhu, “Predicting Human Activities Using Stochastic Grammar”, *IEEE International Conference on Computer Vision (ICCV)*, 2017

**S. Huang**, J. Lu, J. Zhou and A.K. Jain, “Nonlinear Local Metric Learning for Person Re-identification”, *arXiv:1511.05169*

B. Chen, L. Deng, Y. Duan, **S. Huang** and J. Zhou, “Building Change Detection Based on 3D Reconstruction”, *IEEE International Conference on Image Processing (ICIP)*, 2015

L. Deng\*, **S. Huang\***, Y. Duan, B. Chen and J. Zhou, “Image Set Querying Based Localization”, *IEEE Visual Communication and Image Processing (VCIP)* 2015

AWARDS AND SCHOLARSHIP	Doctoral Travel Award, Neural Information Processing Systems (NIPS)	2018
	Doctoral Travel Award, UCLA Statistics Department	2018
	Scholarship of Excellent Academic Performance, Tsinghua University	2015
	Scholarship of Excellent Academic Performance, Tsinghua University	2014
	HAGE Scholarship, Department of Automation, Tsinghua University	2014
	Comprehensive Merit Scholarship, Tsinghua University	2013
	Second Prize, National Physics Contest of College Students	2013
PROFESSIONAL SERVICES	Organizer of the CVPR 2019 Workshop: <b>3D Scene Understanding for Vision, Graphics and Robotics</b>	
	Reviewer, CVPR 2019	