

- CONTACTS** University of California, Los Angeles
Department of Statistics
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- EDUCATION** **University of California, Los Angeles (UCLA), CA, USA** *Expected: Jun 2021*
Ph.D., Statistics
Advisor: Professor Song-Chun Zhu
GPA: 4.0/4.0
Tsinghua University (THU), Beijing, China *Sep 2012 - Jun 2016*
B.E., Automation
GPA: 90.4/100
- RESEARCH INTERESTS** **Computer Vision:** 3D scene understanding, 3D perception, human-object interaction
Machine Learning: graphical model, deep learning, reinforcement learning
Robotics: vision-based robotics
- RESEARCH EXPERIENCE** **Center for Vision, Cognition, Learning and Art (VCLA), UCLA** *Sep 2016 - present*
Graduate Student Researcher
Advisor: Professor Song-Chun Zhu
Intelligent Vision Group (IVG), THU *Sep 2014 - Apr 2016*
Research Assistant
Advisor: Professor Jiwen Lu, Professor Jie Zhou
Pattern Recognition and Image Processing (PRIP) Lab, MSU *Jul 2015 - Sep 2015*
Research Intern
Advisor: Professor Anil K. Jain
- PUBLICATIONS** (* indicates equal contributions)
- S. Huang**, S. Qi, Y. Xiao, Y. Zhu, S.-C. Zhu, Y. Wu, "Cooperative Holistic 3D Scene Understanding from a Single RGB Image", *under review for NIPS 2018*
- S. Huang**, S. Qi, Y. Zhu, Y. Xiao, Y. Xu, S.-C. Zhu, "Monocular Scene Parsing and Reconstruction using 3D Holistic Scene Grammar", *under review for ECCV 2018*
- C. Jiang*, Y. Zhu*, S. Qi*, **S. Huang***, D. Terzopoulos and S.-C. Zhu, "Configurable, Photorealistic Image Rendering and Ground Truth Synthesis by Sampling Stochastic Grammars Representing Indoor Scenes", *International Journal of Computer Vision (IJCV), 2018*
- S. Qi, Y. Zhu, **S. Huang**, C. Jiang, S.-C. Zhu, "Human-centric Indoor Scene Synthesis using Stochastic Grammar", *IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018*
- 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	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
SKILLS	MATLAB, C/C++, Python, C#, Opencv, Linux, Verilog, VHDL, L ^A T _E X	