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Los Angeles, CA 90095, USA
- 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, generative model, deep learning
Robotics: perception in 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, Y. N. Wu, S.-C. Zhu “Cooperative Holistic Scene Understanding: Unifying 3D Object, Layout, and Camera Pose Estimation”, *Neural Information Processing Systems (NIPS), 2018*
- S. Huang**, S. Qi, Y. Zhu, Y. Xiao, Y. Xu, S.-C. Zhu, “Holistic 3D Scene Parsing and Reconstruction from a Single RGB Image”, *European Conference on Computer Vision (ECCV), 2018*
- C. Jiang*, S. Qi*, Y. Zhu*, **S. Huang***, 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”, *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

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

Reviewer, CVPR 2019