Siyuan Huang

CONTACTS

University of California, Los Angeles
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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
Currently funded by

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

Computer Vision Research Group, SenseTime, Beijing, China *Nov 2014 - Apr 2015*
Research Intern
Mentor: Professor Xiaoou Tang

PUBLICATIONS

(* indicates equal contributions)

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

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", *arXiv:1704.00112 (under review for IJCV)*

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, LaTeX	