

Hexiang Hu

PhD Student in Machine Learning

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EDUCATION

University of Southern California

PhD Student (Machine Learning, Computer Vision) (**GPA: 4.0/4.0**)

Supervisor: Prof. Fei Sha

Los Angeles, CA
Jan.2017- Present

University of California, Los Angeles

PhD Student (Machine Learning, Computer Vision) (**GPA: 3.85/4.0**)

Supervisor: Prof. Fei Sha

Los Angeles, CA
Sep.2016-Jan.2017

Simon Fraser University

B.S. in Computer Science (**GPA: 4.15/4.3**)

Supervisor: Prof. Greg Mori

Vancouver, BC
Sep.2013-May.2016

ZHEJIANG University

B.Eng. in Computer Science (**GPA: 3.89/4.0**)

Supervisor: Prof. Zicheng Liao

Hangzhou, China
Sep.2011-Jun.2016

University of California, Los Angeles

Exchange Student (Management, Aderson College) (**GPA: 4.0/4.0**)

Los Angeles, CA
Aug.2012-Sep.2012

WORK & RESEARCH EXPERIENCE

Theoretical and Empirical Data Science Lab

Research Assistant (**Supervisor: Prof. Fei Sha**)

Vision and Language, Transfer Learning, Embedding Learning

Los Angeles, CA
Sep.2016-Present

Amazon AI

Applied Scientist Intern (**Supervisor: Dr. R. Manmatha & Prof. Deva Ramanan**)

Large-scale Video Analysis with Compressed Videos

Palo Alto, CA
May.2017-Aug.2017

Megvii (Face++) Technology

Research Scientist Intern (**Supervisor: Yuning Jiang & Dr. Jian Sun**)

Object Detection and Instance Segmentation

Beijing, China
May.2016-Sep.2016

Vision and Media Lab, Simon Fraser University

Research Assistant

Deep Learning with Structure, Multilabel Classification with Relation

Vancouver, BC
May.2015-Jun.2016

Microsoft

Anti-virus Researcher

Virtual Machine Inspection, Program Analysis, .Net Malware Analysis

Vancouver, BC
May.2014-Sep.2014

PUBLICATIONS

Pre-prints

Learning Answer Embedding for Visual Question Answering

[H. Hu*](#), W-L. Chao*, F. Sha

Cross-dataset Adaptation for Visual Question Answering

[H. Hu*](#), W-L. Chao*, F. Sha

Compressed Video Action Recognition

C.-Y. Wu, M Zaheer, [H. Hu*](#), R. Manmatha, A. J. Smola, P. Krahenbuhl

Conferences

FastMask: Segment Multi-scale Object Candidates in One Shot

[H. Hu*](#), S. Lan*, Y. Jiang, Z. Cao, F. Sha.

Being Negative but Constructively: Lessons Learnt from Creating Better VQA Dataset

W-L. Chao*, [H. Hu*](#), F. Sha.

Learning Structured Inference Neural Networks with Label Relations

[H. Hu](#), G. Zhou, Z. Deng, Z. Liao, G. Mori.

Structure Inference Machines: RNN for Analyzing Relations in Group Activity Recognition

Z. Deng, A.Vahdat, [H. Hu](#), G. Mori.

CVPR 2017(Spotlight)
Honolulu, HI

CVPR 2017 Workshop
Honolulu, HI

CVPR 2016

Las Vegas, NV

CVPR 2016

Las Vegas, NV

PROFESSIONAL ACTIVITIES		
SCHOLRASHIPS		
• The 35 th International Conference on Machine Learning (ICML 2018)		Stockholm, Sweden
• Annunal Conference on Computer Vision and Pattern Recognition (CVPR 2018)		Salt Lake City, UT
• The 31 th Annual Conference on Neural Information Processing Systems (NIPS 2017)		Long Beach, CA
• Transaction on Patten Analysis and Machine Intelligence (TPAMI)		
• IEEE Winter Conference on Applications of Computer Vision (WACV 2015)		Big Island, HI
SKILLS		
Interests: Swimming, Baseket Ball		
Tools: Python, C++, Pytorch, Caffé, Torch, Tensorflow, Javascript, HTML, CSS, LaTeX, Matlab, Cuda		
Skils		
• Computer Vision	Object Recognition, Detection and Segmentation, Video Analysis	
• Vision and Language	Visual Question Answering, Structured Understanding towards Video	
• Machine Learning	Deep Learning, Transfer Learning, Domain Adaptations, Generative Model	
AWARDS		
SCHOLRASHIPS		
CSCI Department Fellowship, Viterbi School of Engineering, USC		2017-2018
Entrance Scholarship for Merits, SFU		2013-2014
Second-Class Scholarship for Merits, ZJU		2011-2012,2012-2013
HONORS & AWARDS		
President's Honor Roll, SFU		2015-2016
Dean's Honor Roll, SFU		2015-2016
Undergraduate Research Opportunities Conference (UROC) Traveling Award, U Waterloo		2016
Excellent Students Awards, ZJU		2011-2012,2012-2013