

Hexiang Hu

PhD Student in Machine Learning

ADDRESS: Michelson Hall, 1002 West Childs Way, Los Angeles, CA, 90089

PHONE: (+1) 6282344580 **EMAIL:** hexiang.frank.hu@gmail.com **WEBSITE:** <https://www.hexianghu.com>

EDUCATION

University of Southern California PhD Student (Machine Learning, Computer Vision) Supervisor: Prof. Fei Sha	Los Angeles, CA Jan.2017- Present
University of California, Los Angeles PhD Student (Machine Learning, Computer Vision) (Transfer) Supervisor: Prof. Fei Sha	Los Angeles, CA Sep.2016-Jan.2017
Simon Fraser University B.S. in Computer Science (With Distinction) Supervisor: Prof. Greg Mori	Vancouver, BC Sep.2013-May.2016
ZHEJIANG University B.Eng. in Computer Science Supervisor: Prof. Zicheng Liao	Hangzhou, China Sep.2011-Jun.2016

WORK & RESEARCH EXPERIENCE

Intel AI Research Intern (Supervisor: Dr. Vladlen Koltun) Continual Learning	Santa Clara, CA May.2019-Present
Facebook AI Research Research Intern (Supervisor: Dr. Laurens Van der Maaten) Fine-grained Image Recognition	New York, NY May.2018-Dec.2018
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 Software Engineer Virtual Machine Inspection, Program Analysis, .Net Malware Analysis	Vancouver, BC May.2014-Sep.2014

PUBLICATIONS

Conferences

Multimodal Model-Agnostic Meta-Learning via Task-Aware Modulation R. Vuorio, S.-H. Sun, H. Hu, and J. J. Lim	NeurIPS 2019 (Spotlight) Vancouver, BC
Engaging Image Captioning Via Personality K. Shuster, S. Humeau, H. Hu, A. Bordes, J. Weston	CVPR 2019 Long Beach, CA
Synthesized Policies for Transfer and Adaptation across Tasks and Environments H. Hu*, Liyu Chen*, Boqing Gong, F. Sha	NIPS 2018 (Spotlight) Montreal, QC
Hierarchical and Cross-modal Modeling of Video and Text B. Zhang*, H. Hu*, F. Sha	ECCV 2018 Munich, Germany
Learning Answer Embedding for Visual Question Answering H. Hu*, W-L. Chao*, F. Sha	CVPR 2018 Salt Lake City, UT
Cross-dataset Adaptation for Visual Question Answering H. Hu*, W-L. Chao*, F. Sha	CVPR 2018 Salt Lake City, UT
Compressed Video Action Recognition	CVPR 2018 Salt Lake City, UT

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

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

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

FastMask: Segment Multi-scale Object Candidates in One Shot

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

NAACL-HLT 2018 (Oral)

Honolulu, HI

CVPR 2017(Spotlight)

Honolulu, HI

CVPR 2016

Las Vegas, NV

CVPR 2016

Las Vegas, NV

PROFESSIONAL ACTIVITIES

Reviewers

- Annual Conference on Computer Vision and Pattern Recognition (**CVPR 2019**)
- The 14th Asian Conference on Computer Vision (**ACCV 2019**)
- The 32nd Annual Conference on Neural Information Processing Systems (**NIPS 2018**)
- Thirty-fifth International Conference on Machine Learning (**ICML 2018**)
- Annual Conference on Computer Vision and Pattern Recognition (**CVPR 2018**)
- The 31th Annual Conference on Neural Information Processing Systems (**NIPS 2017**)
- Transaction on Patten Analysis and Machine Intelligence (**TPAMI**)
- IEEE Winter Conference on Applications of Computer Vision (**WACV 2015**)

Seattle, WA
Perth, Australia
Montreal, QC
Stockholm, Sweden
Salt Lake City, UT
Long Beach, CA

Big Island, HI

SKILLS

Interests: Swimming, Baseket Ball

Tools: Python, C++, Pytorch, Caffe, Torch, Tensorflow, Javascript, HTML, CSS, LaTeX, Matlab, Cuda

Skills

- 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

SCHOLARSHIPS

CSCI Department Fellowship, Viterbi School of Engineering, USC

Entrance Scholarship for Merits, SFU

Second-Class Scholarship for Merits, ZJU

2017-2018

2013-2014

2011-2012,2012-2013

HONORS & AWARDS

NIPS 2018 Travel Award, NIPS Foundation

President's Honor Roll, SFU

Dean's Honor Roll, SFU

Undergraduate Research Opportunities Conference (UROC) Traveling Award, U Waterloo

Excellent Students Awards, ZJU

2018

2015-2016

2015-2016

2016

2011-2012,2012-2013