

Lifeng Fan

CONTACT INFORMATION	9407 Boelter Hall University of California, Los Angeles Los Angeles, CA 90095, USA	Phone: (424) 535-8754 Email: lfan@ucla.edu Homepage: www.stat.ucla.edu/~lifengfan/
EDUCATION	University of California, Los Angeles, CA, USA Ph.D. Candidate in Statistics GPA: 4.00/4.00	Expected: 06/2021
	Zhejiang University, Hangzhou, China B.S. in Statistics, Minor in Public Management GPA: 3.98/4.00	09/2012 - 06/2016
RESEARCH EXPERIENCE	DMAI Inc., Los Angeles, CA, USA Summer Intern • Cognitive Platform: implementing live detection of human interaction and communication; modeling human mind, including belief, attention and intention	06/2019 - 09/2019 <i>Mentor: Yixin Zhu</i>
	Center for Vision, Cognition, Learning and Autonomy, UCLA Graduate Student Researcher • Theory of Mind: human mental state inference in VR environment and real videos • Understanding human nonverbal communication by spatio-temporal reasoning networks • Social Scene Understanding: inferring shared attention in social scene videos • Cognitive Modeling: perception of human interaction based on motion trajectories	09/2016 - present <i>Advisor: Song-Chun Zhu</i>
	The Computational Vision and Learning Lab, UCLA Cross-Disciplinary Scholars in Science and Technology (CSST) Program • Discovering hierarchical representations for action recognition • Honored with Best Presentation Award for excellent research and final presentation	07/2015 - 09/2015 <i>Advisor: Hongjing Lu</i>
	State Key Lab of CAD, ZJU Research Assistant • Texture synthesis optimization by Expectation Maximization algorithm	06/2014 - 06/2016 <i>Advisor: Ming Li</i>
PUBLICATIONS	(* indicates equal contribution)	
	L. Fan , W. Wang, S. Huang, X. Tang and S.-C. Zhu. Understanding Human Gaze Communication by Spatio-temporal Graph Reasoning. <i>IEEE International Conference on Computer Vision (ICCV)</i> , 2019.	
	L. Fan* , Y. Chen*, P. Wei, W. Wang and S.-C. Zhu. Inferring Shared Attention in Social Scene Videos. <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i> , 2018. (Acceptance Rate: 29%)	
	T. Shu*, Y. Peng*, L. Fan , H. Lu and S.-C. Zhu. Perception of Human Interaction Based on Motion Trajectories: from Aerial Videos to Decontextualized Animations. <i>Topics in Cognitive Science (TopiCS)</i> , 10(1): 225 - 241, 2018.	
	T. Shu*, Y. Peng*, L. Fan , H. Lu and S.-C. Zhu. Inferring Human Interaction from Motion Trajectories in Aerial Videos. <i>39th Annual Meeting of the Cognitive Science Society (CogSci)</i> ,	

2017. (Oral presentation, Acceptance rate: $255/873 = 29\%$, **Computational Modeling Prize**)

SELECTED HONORS AND AWARDS	Most Promising Computational Statistician, UCLA Statistics Department.	06/2017
	Computational Modeling Prize , Cognitive Science Society	06/2017
	The 6th Ten Top Students in Zhejiang University , Zhejiang University (Awarded to 10 out of all undergraduate and graduate students at Zhejiang University for meritorious achievements at Zhejiang University.)	12/2015
	Chu Kochen Scholarship , Zhejiang University (The highest honor of Zhejiang University, awarded to 12 out of 5000+ undergraduate seniors each year for exceptional academic achievements.)	10/2015
	Best Presentation Award, UCLA-CSST Summer Research Program	09/2015
	Honorable Mention, Mathematical Contest in Modeling (MCM)	04/2015
	Tang Lixin Scholarship , Zhejiang University	10/2014 - present
	First Prize in the 12th Mathematical Modeling Contest of Zhejiang University	06/2014
	National Scholarship of China, Ministry of Education, China	2013, 2014
	University of California, Los Angeles, Department of Statistics	
TEACHING EXPERIENCE	<i>STATS 202A: Statistics Programming</i> - Teaching Assistant	Fall 2017
	<i>STATS 12: Intro to Statistical Methods for Geography and Environmental Studies</i> - Teaching Assistant	Winter 2018
	<i>STATS 102C: Introduction to Monte Carlo Methods</i> - Teaching Assistant	Fall 2018
PROGRAMMING LANGUAGES	C/C++, C#, Python, MATLAB, R, L ^A T _E X, HTML	
DEEP LEARNING FRAMEWORKS	Pytorch, Tensorflow, Keras	