

Baoxiong Jia

CONTACT INFORMATION	491 Engineering VI University of California, Los Angeles Los Angeles, CA 90095, U.S.A.	Phone: (240)550-4292 Email: baoxiongjia@cs.ucla.edu Homepage: buzz-beater.github.io/
EDUCATION	University of California, Los Angeles , Los Angeles, U.S. <i>Doctor of Philosophy (Ph.D.)</i> , Computer Science Sept. 2019 - present Advisor: Prof. Song-chun Zhu Overall GPA: 4.00/4.00 University of California, Los Angeles , Los Angeles, U.S. <i>Master of Science (M.S.)</i> , Computer Science Sept. 2017 - June 2019 Advisor: Prof. Song-chun Zhu Overall GPA: 4.00/4.00 Peking University , Beijing, China <i>Bachelor of Science (B.S.)</i> with honor , Computer Science Sept. 2014 - July 2018 Advisor: Prof. Yao Guo Overall GPA: 3.63/4.00 (rank: 29/193)	
RESEARCH INTEREST	Computer Vision Artificial Intelligence Machine Learning	Activity Recognition/Prediction, 4D Scene Understanding Planning and Inverse Planning, Intent Recognition Representation Learning, Neural-symbolic Methods
PUBLICATION JOURNAL	* denotes equal contribution [1] Siyuan Qi, Baoxiong Jia , Siyuan Huang, Ping Wei, Song-chun Zhu. A Generalized Earley Parser Human Activity Parsing and Prediction. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> (TPAMI) 2020. [2] Yuanchun Li, Baoxiong Jia , Yao Guo, Xiangqun Chen. Mining User Reviews for Mobile App Comparisons. <i>Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies</i> (IMWUT) 2017. (presented at UbiComp 2017)	
CONFERENCE	[1] Baoxiong Jia , Yixin Chen, Siyuan Huang, Yixin Zhu, Song-chun Zhu. LEMMA: A Multiview Dataset for <u>L</u> earning <u>M</u> ulti-agent <u>M</u> ulti-task <u>A</u> ctivities. <i>European Conference on Computer Vision</i> (ECCV) 2020. [2] Chi Zhang*, Baoxiong Jia *, Feng Gao, Yixin Zhu, Hongjing Lu, Song-chun Zhu. Learning Perceptual Inference by Contrasting. <i>Advances in Neural Information Processing Systems</i> (NeurIPS) 2019. (Spotlight) [3] Chi Zhang*, Feng Gao*, Baoxiong Jia , Yixin Zhu, Song-chun Zhu. RAVEN: A Dataset for Relational and Analogical Visual Reasoning. <i>IEEE Conference on Computer Vision and Pattern Recognition</i> (CVPR) 2019. [4] Siyuan Qi*, Wenguan Wang*, Baoxiong Jia , Jianbing Shen, Song-chun Zhu. Learning Human-Object Interactions by Graph Parsing Neural Networks. <i>European Conference on Computer Vision</i> (ECCV) 2018. [5] Siyuan Qi, Baoxiong Jia , Song-chun Zhu. 2018. Generalized Earley Parser: Bridging Symbolic Grammars and Sequence Data for Future Prediction <i>International Conference on Machine Learning</i> (ICML) 2018.	

RESEARCH EXPERIENCE	Center for Vision, Cognition, Learning and Autonomy		
	<i>Research Assistant</i> , advised by: Prof. Song-chun Zhu		UCLA, U.S.A. Sept. 2017 - present
	<ul style="list-style-type: none"> • 4D understanding of human activities and forecasting of both actions and scenes. • Intention prediction and inverse planning based on stochastic grammar parsing, inverse reinforcement learning and theory of mind theories. • Visual reasoning and induction for analogy in Raven Progressive Matrices. 		
	Operating System Lab		
	<i>Research Intern</i> , advised by: Prof. Yao Guo		Peking University, P.R.C. Feb. 2016 - May. 2018
	<ul style="list-style-type: none"> • Automatic app comparison generation by mining comparative user reviews from app markets and applying sentiment analysis methods. 		
TEACHING EXPERIENCE	University of California, Los Angeles, Department of Computer Science		
	COM SCI 32 Introduction to Computer Science II, <i>Teaching Assistant</i>		Spring 2020
	COM SCI 131 Programming Languages, <i>Teaching Assistant</i>		Fall 2020
SELECTED HONORS AND AWARDS	NeurIPS Travel Award , NeurIPS		
			2019
	Excellent College Graduate Award , Peking University		
			2018
	Kwang-Hua Scholarship , Peking University		
			2014 - 2015
	Award for Academic Excellence , Peking University		
			2015 - 2016
SERVICES	Reviewer	International Conference on Learning Representation (ICLR)	2021
	Reviewer	AAAI Conference on Artificial Intelligence (AAAI)	2020-2021
	Reviewer	Neural Information Processing Systems (NeurIPS)	2020
	Reviewer	European Conference on Computer Vision (ECCV)	2020
	Reviewer	Computer Vision and Pattern Recognition (CVPR)	2019-2020
	Reviewer	International Conference on Computer Vision (ICCV)	2019