

# Baoxiong Jia

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CONTACT INFORMATION	491 Engineering VI University of California, Los Angeles Los Angeles, CA 90095, U.S.A.	Phone: (240)550-4292 Email: <a href="mailto:baoxiongjia@cs.ucla.edu">baoxiongjia@cs.ucla.edu</a> Homepage: <a href="https://buzz-beater.github.io/">buzz-beater.github.io/</a>
EDUCATION	<b>University of California, Los Angeles</b> , 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  <b>University of California, Los Angeles</b> , 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  <b>Peking University</b> , Beijing, China <i>Bachelor of Science (B.S.)</i> with <b>honor</b> , Computer Science Sept. 2014 - July 2018 Advisor: Prof. Yao Guo Overall GPA: 3.63/4.00 (rank: 29/193)	
RESEARCH INTEREST	<b>Computer Vision</b> <b>Artificial Intelligence</b> <b>Machine Learning</b>	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, <b>Baoxiong Jia</b> , 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, <b>Baoxiong Jia</b> , 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] <b>Baoxiong Jia</b> , 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*, <b>Baoxiong Jia</b> *, 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*, <b>Baoxiong Jia</b> , 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*, <b>Baoxiong Jia</b> , 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, <b>Baoxiong Jia</b> , 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	<b>Center for Vision, Cognition, Learning and Autonomy</b>		UCLA, U.S.A.
	<i>Research Assistant</i> , advised by: Prof. Song-chun Zhu		Sept. 2017 - present
	<ul style="list-style-type: none"> <li>• 4D understanding of human activities and forecasting of both actions and scenes.</li> <li>• Intention prediction and inverse planning based on stochastic grammar parsing, inverse reinforcement learning and theory of mind theories.</li> <li>• Visual reasoning and induction for analogy in Raven Progressive Matrices.</li> </ul>		
	<b>Operating System Lab</b>		Peking University, P.R.C.
	<i>Research Intern</i> , advised by: Prof. Yao Guo		Feb. 2016 - May. 2018
	<ul style="list-style-type: none"> <li>• Automatic app comparison generation by mining comparative user reviews from app markets and applying sentiment analysis methods.</li> </ul>		
TEACHING EXPERIENCE	<b>University of California, Los Angeles, Department of Computer Science</b>		
	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	<b>NeurIPS Travel Award</b> , NeurIPS		2019
	<b>Excellent College Graduate Award</b> , Peking University		2018
	<b>Kwang-Hua Scholarship</b> , Peking University		2014 - 2015
	<b>Award for Academic Excellence</b> , 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