## Yonatan Bisk

Assistant Professor of Computer Science

 $GHC~6703 \\ \boxtimes ybisk@cs.cmu.edu \\ he/him$ 

	Positions						
2020 –	Assistant Professor Language Technologies Robotics Institute (cour	Institute	Mellon Univers	ity			
2022 –	Visiting Professor M	- /	damental AI Res	earch (FAIF	?) v	v/ Dhru	ıv Batra
2021 –	Consulting Professo	r Micros	oft Research				
2019 –	Visiting Researcher	Microson	ft Research		и	ı/ Jianf	eng Gao
2017 –	Postdoctoral Schola						
	University of Washingto		n Institute for Art	ificial Intellig	gence	w/ Y	ejin Choi
2015 –		Postdoctoral Scholar Information Sciences Institute, University of Southern California w			w/ Dani	el Marcu	
	Education						
2015	PhD in Computer Science The University of Illinois at Urbana-Champaign, Thesis: Unsupervised Grammar Induction with Combinatory Categorial Grammars Advisor: Julia Hockenmaier Committee: Jason Eisner, Dan Roth, ChengXiang Zhai						
2009	<b>BS in Computer Science</b> The University of Texas at Austin Turing Scholar, Thesis: The Necessity of Separating Control and Logic When Grounding Language using Neuroevolution Advisor: Risto Miikkulainen Second Reader: Raymond Mooney						
	PhD Students						
PhD	Hao Zhu	he/him	Theory of Mind	I	(co-G Neubig)	LTI	2019 –
PhD	Jared Fernandez		Efficiency		(co-E Strubell)	LTI	2020 -
PhD	Vidhi Jain		Language to Co	ontrol	,	RI	2021 -
PhD	Tiffany Min	she/her	Embodiment		(co-R Salakhutdinov)	MLD	2021 –
PhD	Yingshan Chang	she/her	Multimodal Rea	asoning		LTI	2022 –
	Research MS S	tudent	:S				
MLT	Jimin Sun		Embodied Diale	ogue		LTI	2022 -
	Professional Ma	asters	Students				
MRSD	Assistive Robotics f			ickson)			2023
	Abhinav Gupta		he/him	Atĥarva	Pusalkar	he/him	ı
	Praveen Venkatesh Shivam Tripathy		he/him he/him	Shaolin	Kataria	he/him	ı
	Alumni, Interns	, and	Undergradu	ates			
MRSD	Modular Teleop wit	h Auton	omy (*co-Z Er				2022
	Jashkumar Diyora		he/him		Gangopadhyay	she/he	
	Jigar Patel Shivani Sivakumar		he/him she/her	Prakhar	Pradeep	he/him	l.

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MCDS	Embodied Navigation			Kuchagr	a Mahajan		1 /1. t	2022
	Adhokshaja Madhwara Sai Vishwas Padigi	J	he/him	Vineeth	a Mahajan Paddy		he/him	
	Malaika Vijay		he/him		Jessica) Zhong		he/him	
MCDS	Embodied Dialogue	and To	she/her	Zilelig (J	Jessica) Zhong		she/her	2022
MCD3	Xinyue Chen	and 10	she/her	Nikhil G	unta		he/him	2022
	Benny Jiang		he/him	Shubhan			he/him	
	Prasoon Varshney		he/him	Silabilati	i i iidi		ne/mm	
MCDS	Novel Concept Learn	ning	ne, mm					2022
WCDS	Bharani Ujjaini Kempa	_	she/her	Linyi Li			she/her	2022
MCAII	Visual Patent Search		she/ her	Liny: Li			siic/ iici	2022
MSAII	Suchong Dong		she/her	Zhiyuan	Guo		he/him	2022
	Mansi Goyal		she/her		lendez Simon		she/her	
	Sreenidhi Sundaram		she/her		n Den Berghe		he/him	
MLT	Yingshan Chang	she/her	Multimodal Re			LTI	,	- 2022
MLT	_	,	Embodied Visu	· ·		LTI		- 2022
				•	( 0 1/			-
MS	Xiaoyu (Erin) Zhang	she/her			(co-O Kroemer)	5th	2021 -	- 2022
Ugrad	Feiyu (Gavin) Zhu		Video Summari	ization	(co-C Paxton)			2021
Intern	Melanie Sclar		Symmetric The	eory-of-Mind	(co-G Neubig)			2021
Intern	Blessing Bassey		<i>TextVQA</i>					2021
	0 ,		•					
	Journal Publicat	ions						
1.	The Return of Lexica	al Done	andoncios: Nou	ral Lovicalia	and DCECs			2020
1.	Hao Zhu, Yonatan Bisk,			irai Lexicaliz	ed i Ci ds			2020
	Transactions of the Asso		_	l Linguistics				
2.	An HDP Model for I		-	_	Grammars			2013
۷.	Yonatan Bisk, Julia Hoc			Categoriai	Grammars			2010
	Transactions of the Asso			l Linguistics				
			·					
	Conference Publ	licatio	nc					
3.	Don't Copy the Tead			_	in Embodied Dia	alogue	:	2022
	So Yeon Min, Hao Zhu,							
	Conference on Empirical		_	_	=			
4.	EvEntS ReaLM: Ever					ls		2022
	Evangelia Spiliopoulou, A		_		-			
	Conference on Empirical				•			
5.	On Advances in Text		ation from Ima	ages Beyond	d Captioning: A C	Case S	tudy	2022
	in Self-Rationalizatio Shruti Palaskar, Akshita		Vonatan Rick E	lorian Motzo	Alan W Black Ana	Maraco	vic	
	Findings of the Conferen					iviaiaso	VIC	
6	=		-		inguage i rocessing			2022
6.	Transformers are Ada Vidhi Jain, Yixin Lin, Er				Rai			2022
	Conference on Robot Le		sander, <u>ronatan</u>	DISK, AKSITATA	ivai			
7.	Symmetric Machine	_	of Mind					2022
1.	Melanie Sclar, Graham N							2022
	39th International Confe	_		ισ				
8.	A Framework for Lea			_	extually Heaful In	format	tion	2022
0.	from Humans	arining t	o Nequest RIC	n and Conte	entually Oseiul III	ioiiiidi	LIUII	4044
		D: 1 11	al Dauma III					
	Khanh Nguyen, <u>Yonatan</u>	<u>_Bisk</u> , H	ai Daume in					
				ng,				
9.	Khanh Nguyen, <u>Yonatan</u> 39th International Confe	erence or	n Machine Learnii	_	oals and Linguist	ic Inpı	ut	2022
9.	Khanh Nguyen, <u>Yonatan</u>	rence or Learni	n Machine Learnin ng from Comm	_	oals and Linguist	ic Inpı	ut	2022
9.	Khanh Nguyen, <u>Yonatan</u> 39th International Confe Simulated Language	erence or Learnii Graham	n <i>Machine Learnii</i> n <b>g from Comm</b> n Neubig	nunicative <b>G</b>	oals and Linguist	ic Inpı	ut	2022

10.	HEAR 2021: Holistic Evaluation of Audio Representations  Joseph Turian, Jordie Shier, Humair Raj Khan, Bhiksha Raj, Björn W. Schuller, Christian J.  Steinmetz, Colin Malloy, George Tzanetakis, Gissel Velarde, Kirk McNally, Max Henry, Nicolas Pinto, Camille Noufi, Christian Clough, Dorien Herremans, Eduardo Fonseca, Jesse Engel, Justin Salamon, Philippe Esling, Pranay Manocha, Shinji Watanabe, Zeyu Jin, Yonatan Bisk Proceedings of Machine Learning Research (PMLR): NeurIPS 2021 Competition Track	2022
11.	KAT: A Knowledge Augmented Transformer for Vision-and-Language Liangke Gui, Borui Wang, Qiuyuan Huang, Alex Hauptmann, Yonatan Bisk, Jianfeng Gao Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	2022
12.	FILM: Following Instructions in Language with Modular Methods So Yeon Min, Devendra Singh Chaplot, Pradeep Ravikumar, Yonatan Bisk, Ruslan Salakhutdinov The Tenth International Conference on Learning Representations	2022
10		0000
13.	WebQA: Multihop and Multimodal QA Yingshan Chang, Mridu Narang, Hisami Suzuki, Guihong Cao, Jianfeng Gao, Yonatan Bisk Conference on Computer Vision and Pattern Recognition (Oral)	2022
14.	Dependency Induction Through the Lens of Visual Perception Ruisi Su, Shruti Rijhwani, Hao Zhu, Junxian He, Xinyu Wang, Yonatan Bisk, Graham Neubig The SIGNLL Conference on Computational Natural Language Learning	2021
15.	Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer Conference on Robot Learning	2021
16.	TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao International Conference on Computer Vision	2021
17.	Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk The Thirty-eighth International Conference on Machine Learning	2021
18.	Grounding 'Grounding' in NLP	2021
	Khyathi Raghavi Chandu, <u>Yonatan Bisk</u> , Alan W Black Findings of The 2021 Conference of the Association for Computational Linguistics	
19.	An Empirical Study on the Generalization Power of Neural Representations	2021
	Learned via Visual Guessing Games  Alessandro Suglia, Yonatan Bisk, Ioannis Konstas, Antonio Vergari, Emanuele Bastianelli, Andrea Vanzo, Oliver Lemon  The 2021 Conference of the European Chapter of the Association for Computational	
	Linguistics (Oral)	
20.	Knowledge-driven Data Construction for Zero-shot Evaluation in Commonsense Question Answering Kaixin Ma, Filip Ilievski, Jonathan Francis, Yonatan Bisk, Eric Nyberg, Alessandro Oltramari	2021
	35th AAAI Conference on Artificial Intelligence	
21.	ALFWorld: Aligning Text and Embodied Environments for Interactive Learning Mohit Shridhar, Xingdi Yuan, Marc-Alexandre Côté, Yonatan Bisk, Adam Trischler, Matthew Hausknecht International Conference on Learning Representations	2021
22	Imagining Grounded Conceptual Representations from Perceptual Information in	2020
22.	Situated Guessing Games  Alessandro Suglia, Antonio Vergari, Ioannis Konstas, <u>Yonatan Bisk</u> , Emanuele Bastianelli,  Andrea Vanzo, Oliver Lemon	2020
	The 28th International Conference on Computational Linguistics (Oral)	
23.	Experience Grounds Language	2020
	Yonatan Bisk, Ari Holtzman, Jesse Thomason, Jacob Andreas, Yoshua Bengio, Joyce Chai, Mirella Lapata, Angeliki Lazaridou, Jonathan May, Aleksandr Nisnevich, Nicolas Pinto, Joseph Turian	
	Conference on Empirical Methods in Natural Language Processing (EMNLP) (Oral)	
24.	RMM: A Recursive Mental Model for Dialog Navigation  Homero Roman Roman, Yonatan Bisk, Jesse Thomason, Asli Celikyilmaz, Jianfeng Gao  Conference on Empirical Methods in Natural Language Processing: Findings	2020

25.	ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday Tasks	2020
	Mohit Shridhar, Jesse Thomason, Daniel Gordon, <u>Yonatan Bisk</u> , Winson Han, Roozbeh Mottaghi, Luke Zettlemoyer, Dieter Fox	
	The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)	
26.	PIQA: Reasoning about Physical Commonsense in Natural Language  Yonatan Bisk, Rowan Zellers, Ronan Le Bras, Jianfeng Gao, Yejin Choi  Thirty-Fourth AAAI Conference on Artificial Intelligence (Oral)	2020
27.	Robust Navigation with Language Pretraining and Stochastic Sampling Xiujun Li, Chunyuan Li, Qiaolin Xia, <u>Yonatan Bisk</u> , Asli Celikyilmaz, Jianfeng Gao, Noah A. Smith, Yejin Choi	2019
28.	Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference on Natural Language Processing  Defending Against Neural Fake News  Rowan Zellers, Ari Holtzman, Hannah Rashkin, Yonatan Bisk, Ali Farhadi, Franziska Roesner, Yejin Choi	2019
	Thirty-third Conference on Neural Information Processing Systems	
29.	Improving Robot Success Detection using Static Object Data Rosario Scalise, Jesse Thomason, Yonatan Bisk, Siddhartha Srinivasa IEEE/RSJ International Conference on Intelligent Robots and Systems	2019
30.	<b>Early Fusion for Goal Directed Robotic Vision</b> Aaron Walsman, <u>Yonatan Bisk</u> , Saadia Gabriel, Dipendra Misra, Yoav Artzi, Yejin Choi, Dieter Fox	2019
	2019 IEEE/RSJ International Conference on Intelligent Robots and Systems	
31.	HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi Association for Computational Linguistics	2019
32.	From Recognition to Cognition: Visual Commonsense Reasoning Rowan Zellers, Yonatan Bisk, Ali Farhadi, Yejin Choi The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (Oral)	2019
33.	Tactical Rewind: Self-Correction via Backtracking in Vision-and-Language	2019
	Navigation Liyiming Ke, Xiujun Li, Yonatan Bisk, Ari Holtzman, Zhe Gan, Jingjing Liu, Jianfeng Gao, Yejin Choi, Siddhartha Srinivasa	
	The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (Oral)	
34.	Prospection: Interpretable Plans From Language By Predicting the Future Chris Paxton, Yonatan Bisk, Jesse Thomason, Arunkumar Byravan, Dieter Fox International Conference on Robotics and Automation (ICRA)	2019
35.	Shifting the Baseline: Single Modality Performance on Visual Navigation & QA  Jesse Thomason, Daniel Gordon, <u>Yonatan Bisk</u> Annual Conference of the North American Chapter of the Association for Computational	2019
	Linguistics	
36.	Benchmarking Hierarchical Script Knowledge	2019
	Yonatan Bisk, Jan Buys, Karl Pichotta, Yejin Choi  Annual Conference of the North American Chapter of the Association for Computational  Linguistics (Oral)	
37.	Character-based Surprisal as a Model of Reading Difficulty in the Presence of Errors	2019
	Michael Hahn, Frank Keller, <u>Yonatan Bisk</u> , Yonatan Belinkov  The 41st Annual Meeting of the Cognitive Science Society (Oral)	
38.	SWAG: A Large-Scale Adversarial Dataset for Grounded Commonsense Inference Rowan Zellers, Yonatan Bisk, Roy Schwartz, Yejin Choi Conference on Empirical Methods in Natural Language Processing (EMNLP) (Oral)	2018
39.	Synthetic and Natural Noise Both Break Neural Machine Translation	2018
<b>3</b> 3.	Yonatan Belinkov, Yonatan Bisk 6th International Conference on Learning Representations (Oral)	2010
40.	Learning Interpretable Spatial Operations in a Rich 3D Blocks World	2018
	Yonatan Bisk, Kevin Shih, Yejin Choi, Daniel Marcu Thirty-Second Conference on Artificial Intelligence (AAAI-18)	

41.	Natural Language Inference from Multiple Premises  Alice Lai, Yonatan Bisk, Julia Hockenmaier  Eighth International Joint Conference on Natural Language Processing (Oral)	2017
42.	Natural Language Communication with Robots  Yonatan Bisk, Deniz Yuret, Daniel Marcu  15th Annual Conference of the North American Chapter of the Association for	2016
43.	Computational Linguistics (Oral)  Supertagging with LSTMs Ashish Vaswani, Yonatan Bisk, Kenji Sagae, Ryan Musa	2016
44.	15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (Short Papers) (Oral)  Evaluating Induced CCG Parsers on Grounded Semantic Parsing  Yonatan Bisk, Siva Reddy, John Blitzer, Julia Hockenmaier, Mark Steedman	2016
45.	2016 Conference on Empirical Methods in Natural Language Processing  Probing the Linguistic Strengths and Limitations of Unsupervised Grammar Induction  Yonatan Bisk, Julia Hockenmaier	2015
	53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (Volume 1: Long Papers) (Oral)	
46.	<u>Yonatan Bisk</u> , Christos Christodoulopoulos, Julia Hockenmaier  53rd Annual Meeting of the Association for Computational Linguistics and the 7th	2015
47.	International Joint Conference on Natural Language Processing (Volume 2: Short Papers)  Simple Robust Grammar Induction with Combinatory Categorial Grammar  Yonatan Bisk, Julia Hockenmaier  Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)	2012
48.	Document-Topic Hierarchies from Document Graphs Tim Weninger, Yonatan Bisk, Jiawei Han 21st ACM international conference on Information and knowledge management (CIKM)	2012
49.	Normal-form parsing for CCGs with generalized composition and type-raising Julia Hockenmaier, Yonatan Bisk 23rd International Conference on Computational Linguistics (Coling 2010)	2010
	Workshop Publications	
50.	MAFEA: Multimodal Attribution Framework for Embodied Al Vidhi Jain, Jayant Sravan Tamarapalli, Sahiti Yerramilli, <u>Yonatan Bisk</u> 5th Robot Learning Workshop: Trustworthy Robotics at NeurIPS 2022	2022
51.	Tackling AlfWorld with Action Attention and Common Sense from Language Models Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Shrimai Prabhumoye Language and Reinforcement Learning Workshop at NeurIPS 2022	2022
52.	Worst of Both Worlds: Biases Compound in Pre-trained Vision-and-Language Models Tejas Srinivasan, Yonatan Bisk 4th Workshop on Gender Bias in Natural Language Processing	2022
53.	KB-VLP: Knowledge Based Vision and Language Pretraining Kezhen Chen, Qiuyuan Huang, Yonatan Bisk, Daniel McDuff, Jianfeng Gao ICML21 Workshop on Self-Supervised Learning	2021
54.	A Benchmark for Structured Procedural Knowledge Extraction from Cooking Videos Frank F. Xu, Lei Ji, Botian Shi, Junyi Du, Graham Neubig, Yonatan Bisk, Nan Duan Workshop on NLP Beyond Text	2020
55.	Inducing Grammars with and for Neural Machine Translation Ke Tran, Yonatan Bisk 2nd Workshop on Neural Machine Translation	2018

56.	Bridging HMMs and RNNs through Architectural Transformations Jan Buys, Yonatan Bisk, Yejin Choi 32nd Conference on Neural Information Processing Systems (NIPS 2018), IRASL workshop			
57.	Towards a Dataset for Human Computer Communication via Grounded Language Acquisition Yonatan Bisk, Daniel Marcu, William Wong AAAI 2016 Workshop on Symbiotic Cognitive Systems			
58.	Unsupervised Neural Hidden Markov Models Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, Kevin Knight Workshop on Structured Prediction for NLP (Oral)	2016		
59.	Induction of Linguistic Structure with Combinatory Categorial Grammars  Yonatan Bisk, Julia Hockenmaier  NAACL HLT Workshop on Induction of Linguistic Structure	2012		
	Tech Reports			
60.	Object Goal Navigation with End-to-End Self-Supervision So Yeon Min, Yao-Hung Hubert Tsai, Wei Ding, Ali Farhadi, Ruslan Salakhutdinov, Yonatan Bisk, Jian Zhang ArXiv	2022		
61.	Retrospectives on the Embodied Al Workshop  Matt Deitke, Dhruv Batra, Yonatan Bisk, Tommaso Campari, Angel X. Chang, Devendra Singh Chaplot, Changan Chen, Claudia Pérez D'Arpino, Kiana Ehsani, Ali Farhadi, Li Fei-Fei, Anthony Francis, Chuang Gan, Kristen Grauman, David Hall, Winson Han, Unnat Jain, Aniruddha Kembhavi, Jacob Krantz, Stefan Lee, Chengshu Li, Sagnik Majumder, Oleksandr Maksymets, Roberto Martín-Martín, Roozbeh Mottaghi, Sonia Raychaudhuri, Mike Roberts, Silvio Savarese, Manolis Savva, Mohit Shridhar, Niko Sünderhauf, Andrew Szot, Ben Talbot, Joshua B. Tenenbaum, Jesse Thomason, Alexander Toshev, Joanne Truong, Luca Weihs, Jiajun Wu ArXiv	2022		
62.	Training Vision-Language Transformers from Captions Alone Liangke Gui, Qiuyuan Huang, Alex Hauptmann, Yonatan Bisk, Jianfeng Gao ArXiv	2022		
63.	Multi-View Learning for Vision-and-Language Navigation Qiaolin Xia, Xiujun Li, Chunyuan Li, Yonatan Bisk, Zhifang Sui, Jianfeng Gao, Yejin Choi, Noah A. Smith ArXiv	2020		
64.	FIND: Identifying Functionally and Structurally Important Features in Protein Sequences with Deep Neural Networks Ranjani Murali, James Hemp, Victoria Orphan, Yonatan Bisk bioRxiv	2019		
65.	CHALET: Cornell House Agent Learning Environment Claudia Yan, Dipendra Misra, Andrew Bennett, Aaron Walsman, Yonatan Bisk, Yoav Artzi ArXiv Preprint 1801.07357	2018		
66.	Unsupervised Grammar Induction with Combinatory Categorial Grammars  Yonatan Bisk University of Illinois at Urbana-Champaign	2015		
_	Thesis Committees			
_	PhD Nicholas Botzer Tim Weninger, Not	re Dame		
_	PhD Kaixin Ma Eric Nybe			
_	PhD Dylan Ebert Ellie Pavlick, Brown			
2022	PhD Shikib Mehri Maxine Eskenazi , CMU			
2022	PhD Shruti Palaskar Alan Black and Florian Metze, CMU			
2022	PhD Evangelia Spiliopoulou Ed Ho	vy, CMU		
2022		vy, CMU		
2022	PhD Volkan Cirik Louis-Philippe Morency and Taylor Berg-Kirkpatric	ck, CMU		

2022	MLT Aishwarya Jadhav	Katia Sycara, CMU			
2021	PhD Pengcheng Yin	Graham Neubig, CMU			
2020	PhD Zihang Dai	Yiming Yang, CMU			
2021	MLT Jing Wen	Katerina Fragkiadaki, CMU			
2021	Qual Mohit Sharma	Oliver Kroemer, CMU			
	Teaching				
2021	11-777 MultiModal Machine Learning	# Students: 42, SP			
2021	11-767 On-Device Machine Learning	Co-Emma Strubell # Students: 31, FA			
2022	11-777 MultiModal Machine Learning	# Students: 94, SP			
2022	11-767 On-Device Machine Learning	Co-Emma Strubell # Students: 42, FA			
	Divorcity and Inclusion				
	Diversity and Inclusion				
2022	NAACL 2022 DEI Co-Chair				
2021	Restructuring of LTI PhD Admissions,	ongoing			
2020	LTI DEI Committee,	2yrs			
2019	CrashCourse AI Educational YouTube series targeted at Jabril Ashe. Co-Written with Lana Yarosh and Tim Weni	•			
2018	ACM Council on Diversity & Inclusion Investigating a	· ·			
	ACM on behalf of underrepresented groups.,	1yr			
_	Grace Hopper PC member Review submissions to Al T	Technical Track, 1yr			
2016	NCWIT Collegiate Award Review applications for the National Center for Women & Information Technology's Collegiate Award honoring college women, ISI  3yrs				
2009	NCWIT Aspirations in Computing Review applications Information Technology's Award for Aspirations in Computinterested in CS, UIUC, ISI				
-	<b>Tech Junket/Women in CS</b> Outreach for local Urbana- 2yrs	-Champaign pre-college students, UIUC			
2008	Freshman Research Mentor Mentored students to perform	orm research, UTexas 1yr			
_	First Bytes Helped organize a summer camp for girls int	•			
_	Co-Founded Breakfast Bytes Professor talks for pre-college students, UTexas  1yr				
_	CS Roadshow CS presentations at Austin middle and hig	•			
	Organization (Markshans and Conforms	٥)			
	Organization (Workshops and Conference	<i>'</i>			
2022	<b>Workshop</b> <i>Embodied AI Workshop – Challenge Organize</i> Computer Vision and Pattern Recognition	er			
2021	<b>Workshop</b> <i>Embodied Al Workshop</i> – <i>Challenge Organize</i> Computer Vision and Pattern Recognition	er			
2020	Workshop Embodied Vision, Actions & Language Works	shop			
_0_0	European Conference on Computer Vision				
-	<b>Workshop</b> <i>Workshop on Dataset Curation and Security</i> NeurIPS				
2019	<b>Workshop</b> <i>Spatial Language Understanding and Grounde</i> North American Chapter of the Association for Computation				
2018	Conference Social Media Chair	<u> </u>			
	North American Chapter of the Association for Computation	tional Linguistics			
-	<b>Workshop</b> <i>Generalization in the Age of Deep Learning</i> North American Chapter of the Association for Computation	tional Linguistics			

- Workshop Wordplay: Reinformcent and Language Learning in Text-Based Games NeurIPS

- Conference Student Scholarship Chair and Student Volunteer Coordinator Conference on Empirical Methods in Natural Language Processing
  - Workshop Language Grounding for Robotics Conference of the Association for Computational Linguistics

## Area Chair / Action Editor

- **International Conference on Learning Representations** 2022
  - Association for the Advancement of Artificial Intelligence Senior Meta-Reviewer
  - Empirical Methods in Natural Language Proc Senior AC: Speech, Vision, Robotics, Multimodal Grounding
  - Transactions on Machine Learning Research Action Editor
  - Senior AE: ACL Rolling Review
  - **Neural Information Processing Systems (NeurIPS)**
- 2021 International Conference on Learning Representations
  - Association for Computational Linguistics Machine Learning
  - Empirical Methods in Natural Language Proc Speech, Vision, Robotics, Multimodal Grounding
  - **Neural Information Processing Systems (NeurIPS)**
  - **ACL Rolling Review**
- 2020 Association for Computational Linguistics Language Grounding to Vision, Robotics and Beyond
  - **Neural Information Processing Systems (NeurIPS)**
  - Asia-Pacific chapter of the Association for Computational Linguistics
- Association for Computational Linguistics Vision, Robotics, Multimodal Grounding, and 2019 Speech
- **International Conference on Computational Linguistics** 2018
- Conference on Lexical and Computational Semantics (\*SEM) Sem. Parsing and Role Labeling

## Reviewer

NLP	ARR	Association for Computational Linguistics Rolling Review	2021
	ACL	Association for Computational Linguistics	2017, 2018
	CL	Computational Linguistics Journal	2017 – 2022
	CoLing	International Conference on Computational Linguistics	2016
	CoNLL	Conference on Computational Natural Language Learning	2016 – 2018
	EACL	European Chapter of the Association for Computational Linguistics	2014, 17, 20
	<b>EMNLP</b>	Empirical Methods in Natural Language Processing	2013 – 2020
	<b>IJCNLP</b>	International Joint Conference on Natural Language Processing	2017
	NAACL	N. American Chapter of the Association for Computational Ling	2016 – 2019
	NLE	Natural Language Engineering Journal	2016
	*SEM	Joint Conference on Lexical and Computational Semantics	2020
	TACL	Transactions of the Assoc. for Computational Linguistics	2019
Robo	CoRL	Conference on Robot Learning	2019 – 2021
	AURO	Autonomous Robots	2022
	RSS	Robotics: Science and Systems	2022
	HRI	Human Robot Interaction	2020 – 2023
	ICRA	International Conference on Robotics and Automation	2019,2023
	IJRR	International Journal of Robotics Research	2017
	IROS	IEEE/RSJ International Conference on Intelligent Robots and Systems	2019

	RA-L	IEEE Robotics and Automation Letters	2019
AI/ML	AAAI	Association for the Advancement of Artificial Intelligence	2018, 2021
	ICLR	International Conference on Learning Representations	2019 – 2020
	ICML	International Conference on Machine Learning	2019
	IJCAI	International Joint Conference on Artificial Intelligence	2019
	NeurIPS	Neural Information Processing Systems	2018 - 2019
CV	CVPR	Computer Vision and Pattern Recognition	2020
	Invitati	ions and Talks	
2022	How mad	chines learn language: Useful hut wrong? 12th Inter Wksp on L	anguage Production

machines learn language: Useful but wrong? 12th Inter. Wksp on Language Production

## Following Instructions and Asking Questions Univ of Potsdam

Univ California Santa Barbara NLP

Georgia Tech NLP

Microsoft Research NYC

Penn State University

Universitat Hamburg Crossmodal Learning (CML) summer school

University of Stuttgart Institute of Natural Language Processing

2021 Univ of Illinois at Urbana-Champaign NLP

Human Interaction for Robotic Navigation Workshop @ Inter. Conference on Computer Vision

WebQA: Multihop and Multimodal QA PNNL Mega-Al Seminar

WebQA: Multihop and Multimodal Microsoft Research Summit

2nd Workshop on Advances in Language and Vision Research (ALVR) NAACL

Instructions, Abstraction, and Theory-of-Mind Koc University Al center

Understanding the Potential of Scaling Artificial Intelligence for Science Applications

Panel Pacific Northwest National Lab

Guest Lecture: Embodiment for NLP Univ of Pennsylvania

Guest Lecture: Multimodality in NLP UWashington Linguistics

2020 The 2nd Workshop Beyond Vision and Language: Integrating Real-world Knowledge CoLing

The University of Texas at Austin - Forum for AI

**Cornell Learning Machines seminar** 

Stanford NLP seminar

SRI Center for Vision Technology Lab Panel Embodied Al

- 2018 Colloquium Talk Northwest NLP
- 2017 Invited Talk University of Notre Dame NLP Seminar

Invited Talk University of California, Irvine AI/ML Seminar

**Invited Talk** Pacific Northwest National Laboratory

- Invited Poster The Impact of Computing in Our Physical World session of the CRA's Computing 2016 Community Consortium (CCC) Symposium on Computing Research
- Colloquium Talk Toyota Tech. Inst. of Chicago's Midwest Speech & Language Days 2015
- 2013 Colloquium Talk Toyota Tech. Inst. of Chicago's Midwest Speech & Language Days