Yonatan Bisk

Assistant Professor of Computer Science

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

	Positions						
2020 –	Assistant Professor Carnegie Mellon University Language Technologies Institute Robotics Institute (courtesy)						
2022 –	Visiting Professor M	eta Fund	damental Al Resea	rch (FAIR))	w/ Dhruv Batra	
2021 –	Consulting Professor	r Micros	oft Research				
2019 –	Visiting Researcher		ft Research			w/ Jianfeng Gao	
2017 –	Postdoctoral Scholar University of Washingto	n & Allei	n Institute for Artific	cial Intellige	ence	w/ Yejin Choi	
2015 –	Postdoctoral Schola Information Sciences Ins		niversity of Souther	n California		w/ Daniel 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						
2009	Committee: Jason Eisner, Dan Roth, ChengXiang Zhai BS in Computer Science 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		(co-G Neubig)	LTI	2019 –
PhD	Jared Fernandez	he/him	Efficiency		(co-E Strubell)	LTI	2020 –
PhD	Vidhi Jain		Language to Cont	rol	(RI	2021 –
PhD	Tiffany Min	,	Embodiment		(co-R Salakhutdinov)		2021 –
PhD	Yingshan Chang	she/her	Multimodal Reaso	oning		LTI	2022 –
	Research MS St	udent	:S				
MLT	Jimin Sun	she/her	Embodied Dialogu	ıe		LTI	2022 –
_	Professional Masters Students						
MRSD	Assistive Robotics for	or Elder	care (*co-Z Erick	son)			2023
	Abhinav Gupta		he/him	Atharva I		he/him	
	Praveen Venkatesh Shivam Tripathy		he/him he/him	Shaolin k	(ataria	he/him	
	Alumni, Interns,	and	Undergraduat	es			
Ugrad	Xiang Fan		Transformer Effici	ency	(co-E Strubell)		2022
Intern	Andy Liu		Theory-of-Mind	-	(co-G Neubig)		2022
Intern	Deogratias Amani	he/him	Grounding				2022
	_		-				

MRSD	Modular Teleop with Auton	omy (*co-Z Eri	ickson)				2022
	Jashkumar Diyora	he/him	Shruti G	Gangopadhyay	sh	e/her	
	Jigar Patel	he/him	Prakhar	Pradeep	he	e/him	
	Shivani Sivakumar	she/her					
MCDS	Embodied Navigation and I		Kuaha am	a Mahajan	,	/1.	2022
	Adhokshaja Madhwaraj Sai Vishwas Padigi	he/him	Vineeth	a Mahajan Poddy		e/him	
	Malaika Vijay	he/him she/her		Jessica) Zhong		e/him e/her	
MCDS	Embodied Dialogue and To	,	Zitelig (Jessica) Zilong	SII	e/ ner	2022
WCD0	Xinyue Chen	she/her	Nikhil G	upta	he	e/him	2022
	Benny Jiang	he/him	Shubhar	-		e/him	
	Prasoon Varshney	he/him					
MCDS	Novel Concept Learning						2022
	Bharani Ujjaini Kempaiah	she/her	Linyi Li		sh	e/her	
MSAII	Visual Patent Search			_			2022
	Suchong Dong	she/her	Zhiyuan			e/him	
	Mansi Goyal	she/her		Mendez Simon		e/her	
N 41 T	Sreenidhi Sundaram	she/her		n Den Berghe		e/him	2022
MLT		Multimodal Rea	•		LTI		- 2022
MLT	,	Embodied Visua	•		LTI		- 2022
MS	Xiaoyu (Erin) Zhang she/her	Collaborative Ro	obots	(co-0 Kroemer)	5th	2021 -	- 2022
Ugrad	Feiyu (Gavin) Zhu	Video Summariz	zation	(co-C Paxton)			2021
Intern	Melanie Sclar	Symmetric Theo	ory-of-Mind	(co-G Neubig)			2021
Intern	Blessing Bassey	<i>TextVQA</i>					2021
	Journal Publications						
				1.0000			2020
1.	The Return of Lexical Depe		ral Lexicali:	zed PCFGs			2020
	Hao Zhu, <u>Yonatan Bisk</u> , Graham <i>Transactions of the Association</i>		Linguistics				
2.	An HDP Model for Inducing	•	_	Grammars			2013
۷.	Yonatan Bisk, Julia Hockenmaie		Categoriai	Grammars			2013
	Transactions of the Association		Linguistics				
		•	· ·				
	Conference Publication	ns					
			.c. Chall				0000
3.	HomeRobot Open Vocab M Sriram Yenamandra, Arun Rama				a Sinah		2023
	Chaplot, Gunjan Chhablani, Alex				_	Ram	
	Ramrakhya, Andrew Szot, Tsung						
	Kira, Dhruv Batra, Roozbeh Mo						
	Thirty-seventh Conference on Ne	eural Information I	Processing S	ystems: Competition	Track		
4.	EXCALIBUR: Encouraging						2023
	Hao Zhu, Raghav Kapoor, So Ye		Han, Jiatai L	i, Kaiwen Geng, Graha	am Neub	oig,	
	Yonatan Bisk, Aniruddha Kembh		14.1				
_	Conference on Computer Vision		=	N.A.: 1			2022
5.	Computational Language A						2023
	Andy Liu, Hao Zhu, Emmy Liu, The Eleventh International Confe						
6	Self-Supervised Object Goa	_	-				2023
6.	So Yeon Min, Yao-Hung Hubert						4043
	Yonatan Bisk, Jian Zhang	, ======					
	IEEE/RSJ International Conferen	nce on Intelligent i	Robots and S	Systems			
7.	Don't Copy the Teacher: D	ata and Model	Challenge	s in Embodied Dia	logue		2022
	So Yeon Min, Hao Zhu, Ruslan S				_		
	Conference on Empirical Method	ls in Natural Lang	uage Process	sing			

8.	EvEntS ReaLM: Event Reasoning of Entity States via Language Models Evangelia Spiliopoulou, Artidoro Pagnoni, <u>Yonatan Bisk</u> , Eduard Hovy Conference on Empirical Methods in Natural Language Processing	2022
9.	On Advances in Text Generation from Images Beyond Captioning: A Case Study in Self-Rationalization Shruti Palaskar, Akshita Bhagia, Yonatan Bisk, Florian Metze, Alan W Black, Ana Marasovic Findings of the Conference on Empirical Methods in Natural Language Processing	2022
10.	Transformers are Adaptable Task Planners Vidhi Jain, Yixin Lin, Eric Undersander, Yonatan Bisk, Akshara Rai Conference on Robot Learning	2022
11.	Symmetric Machine Theory of Mind Melanie Sclar, Graham Neubig, Yonatan Bisk 39th International Conference on Machine Learning	2022
12.	A Framework for Learning to Request Rich and Contextually Useful Information from Humans Khanh Nguyen, Yonatan Bisk, Hal Daume III 39th International Conference on Machine Learning,	2022
13.	Simulated Language Learning from Communicative Goals and Linguistic Input Hao Zhu, Yonatan Bisk, Graham Neubig Annual Meeting of the Cognitive Science Society (Oral)	2022
14.	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
15.	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
16.	FILM: Following Instructions in Language with Modular Methods So Yeon Min, Devendra Singh Chaplot, Pradeep Ravikumar, <u>Yonatan Bisk</u> , Ruslan Salakhutdinov	2022
	The Tenth International Conference on Learning Representations	
17.	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
18.	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
19.	Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer Conference on Robot Learning	2021
20.	TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao International Conference on Computer Vision	2021
21.	Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk The Thirty-eighth International Conference on Machine Learning	2021
22.	Grounding 'Grounding' in NLP Khyathi Raghavi Chandu, Yonatan Bisk, Alan W Black Findings of The 2021 Conference of the Association for Computational Linguistics	2021
23.	An Empirical Study on the Generalization Power of Neural Representations 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)	2021

24.	Knowledge-driven Data Construction for Zero-shot Evaluation in Commonsense Question Answering Kaixin Ma, Filip Ilievski, Jonathan Francis, Yonatan Bisk, Eric Nyberg, Alessandro Oltramari 35th AAAI Conference on Artificial Intelligence	2021
25.	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
26.	Imagining Grounded Conceptual Representations from Perceptual Information in Situated Guessing Games Alessandro Suglia, Antonio Vergari, Ioannis Konstas, <u>Yonatan Bisk</u> , Emanuele Bastianelli, Andrea Vanzo, Oliver Lemon The 28th International Conference on Computational Linguistics (Oral)	2020
27.	Experience Grounds Language 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)	2020
28.	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
29.	ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday Tasks Mohit Shridhar, Jesse Thomason, Daniel Gordon, Yonatan Bisk, Winson Han, Roozbeh Mottaghi, Luke Zettlemoyer, Dieter Fox The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)	2020
30.	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
31.	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 Conference on Empirical Methods in Natural Language Processing and 9th International	2019
32.	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 Thirty-third Conference on Neural Information Processing Systems	2019
33.	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
34.	Early Fusion for Goal Directed Robotic Vision Aaron Walsman, Yonatan Bisk, Saadia Gabriel, Dipendra Misra, Yoav Artzi, Yejin Choi, Dieter Fox 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems	2019
35.	HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi Association for Computational Linguistics	2019
36.	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
37.	Tactical Rewind: Self-Correction via Backtracking in Vision-and-Language 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)	2019
38.	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

39.	Shifting the Baseline: Single Modality Performance on Visual Navigation & QA Jesse Thomason, Daniel Gordon, Yonatan Bisk	2019
	Annual Conference of the North American Chapter of the Association for Computational Linguistics	
40.	Benchmarking Hierarchical Script Knowledge Yonatan Bisk, Jan Buys, Karl Pichotta, Yejin Choi	2019
	Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	
41.	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)	
42.	SWAG: A Large-Scale Adversarial Dataset for Grounded Commonsense Inference Rowan Zellers, <u>Yonatan Bisk</u> , Roy Schwartz, Yejin Choi Conference on Empirical Methods in Natural Language Processing (EMNLP) (Oral)	2018
43.	Synthetic and Natural Noise Both Break Neural Machine Translation Yonatan Belinkov, Yonatan Bisk 6th International Conference on Learning Representations (Oral)	2018
44.	Learning Interpretable Spatial Operations in a Rich 3D Blocks World Yonatan Bisk, Kevin Shih, Yejin Choi, Daniel Marcu Thirty-Second Conference on Artificial Intelligence (AAAI-18)	2018
45.	Natural Language Inference from Multiple Premises	2017
	Alice Lai, Yonatan Bisk, Julia Hockenmaier Eighth International Joint Conference on Natural Language Processing (Oral)	
46.	Natural Language Communication with Robots Yonatan Bisk, Deniz Yuret, Daniel Marcu	2016
	15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	
47.	Supertagging with LSTMs	2016
	Ashish Vaswani, Yonatan Bisk, Kenji Sagae, Ryan Musa	
	15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (Short Papers) (Oral)	
48.	<u>Yonatan Bisk</u> , Siva Reddy, John Blitzer, Julia Hockenmaier, Mark Steedman 2016 Conference on Empirical Methods in Natural Language Processing	2016
49.	Probing the Linguistic Strengths and Limitations of Unsupervised Grammar	2015
	Induction Yonatan Bisk, Julia Hockenmaier	
	53rd Annual Meeting of the Association for Computational Linguistics and the 7th	
	International Joint Conference on Natural Language Processing (Volume 1: Long Papers) (Oral)	201
50.	Labeled Grammar Induction with Minimal Supervision Yonatan Bisk, Christos Christodoulopoulos, Julia Hockenmaier	2015
	53rd Annual Meeting of the Association for Computational Linguistics and the 7th	
Г1	International Joint Conference on Natural Language Processing (Volume 2: Short Papers)	2012
51.	Simple Robust Grammar Induction with Combinatory Categorial Grammar Yonatan Bisk, Julia Hockenmaier	2012
	Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)	
52.	Document-Topic Hierarchies from Document Graphs Tim Weninger, Yonatan Bisk, Jiawei Han	2012
	21st ACM international conference on Information and knowledge management (CIKM 2012)	
53.	2012) Normal-form parsing for CCGs with generalized composition and type-raising	2010
	Julia Hockenmaier, <u>Yonatan Bisk</u>	
	23rd International Conference on Computational Linguistics (Coling 2010)	

54.	MAEA: Multimodal Attribution for Embodied Al Vidhi Jain, Jayant Sravan Tamarapalli, Sahiti Yerramilli, <u>Yonatan Bisk</u> Progress and Challenges in Building Trustworthy Embodied AI at NeurIPS 2022		
55.	Tackling AlfWorld with Action Attention and Common Sense from Language Models Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Shrimai Prabhumoye	2022	
	Language and Reinforcement Learning Workshop at NeurIPS 2022		
56.	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	
57.	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	
58.	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	
59.	Inducing Grammars with and for Neural Machine Translation Ke Tran, Yonatan Bisk 2nd Workshop on Neural Machine Translation	2018	
60.	Bridging HMMs and RNNs through Architectural Transformations Jan Buys, <u>Yonatan Bisk</u> , Yejin Choi 32nd Conference on Neural Information Processing Systems (NIPS 2018), IRASL workshop	2018	
61.	Towards a Dataset for Human Computer Communication via Grounded Language	2016	
	Acquisition Yonatan Bisk, Daniel Marcu, William Wong AAAI 2016 Workshop on Symbiotic Cognitive Systems		
62.	Unsupervised Neural Hidden Markov Models Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, Kevin Knight Workshop on Structured Prediction for NLP (Oral)	2016	
63.	Induction of Linguistic Structure with Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier NAACL HLT Workshop on Induction of Linguistic Structure	2012	
_	Tech Reports		
64.	WebArena: A Realistic Web Environment for Building Autonomous Agents Shuyan Zhou, Frank F. Xu, Hao Zhu, Xuhui Zhou, Robert Lo, Abishek Sridhar, Xianyi Cheng, Yonatan Bisk, Daniel Fried, Uri Alon, Graham Neubig ArXiv	2023	
65.	Spatial-Language Attention Policies for Efficient Robot Learning Priyam Parashar, Vidhi Jain, Xiaohan Zhang, Jay Vakil, Sam Powers, Yonatan Bisk, Chris Paxton ArXiv	2023	
66.	SPAE: Semantic Pyramid AutoEncoder for Multimodal Generation with Frozen	2023	
	LLMs Lijun Yu, Yong Cheng, Zhiruo Wang, Vivek Kumar, Wolfgang Macherey, Yanping Huang, David A. Ross, Irfan Essa, <u>Yonatan Bisk</u> , Ming-Hsuan Yang, Kevin Murphy, Alexander G. Hauptmann, Lu Jiang <i>ArXiv</i>		
67.	HomeRobot: Open-Vocabulary Mobile Manipulation Sriram Yenamandra, Arun Ramachandran, Karmesh Yadav, Austin Wang, Mukul Khanna, Theophile Gervet, Tsung-Yen Yang, Vidhi Jain, Alexander William Clegg, John Turner, Zsolt Kira, Manolis Savva, Angel Chang, Devendra Singh Chaplot, Dhruv Batra, Roozbeh Mottaghi, Yonatan Bisk, Chris Paxton ArXiv	2023	

68.	SPRING: GPT-4 Out-performs RL Algorithms by Studying Papers and Reasoning Yue Wu, Shrimai Prabhumoye, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Amos Azaria, Tom Mitchell, Yuanzhi Li ArXiv		
69.			
70.	The Framework Tax: Disparities Be Deployment Jared Fernandez, Jacob Kahn, Clara Na, YarXiv	etween Inference Efficiency in Research and	2023
71.	Retrospectives on the Embodied Al Matt Deitke, Dhruv Batra, Yonatan Bisk, Singh Chaplot, Changan Chen, Claudia Pe Anthony Francis, Chuang Gan, Kristen Gr Aniruddha Kembhavi, Jacob Krantz, Stefa Maksymets, Roberto Martín-Martín, Rooz Silvio Savarese, Manolis Savva, Mohit Shr	Tommaso Campari, Angel X. Chang, Devendra ferez D'Arpino, Kiana Ehsani, Ali Farhadi, Li Fei-Fei, auman, David Hall, Winson Han, Unnat Jain, an Lee, Chengshu Li, Sagnik Majumder, Oleksandr beh Mottaghi, Sonia Raychaudhuri, Mike Roberts, ridhar, Niko Sünderhauf, Andrew Szot, Ben Talbot, Alexander Toshev, Joanne Truong, Luca Weihs, Jiajun	2022
72.	Training Vision-Language Transform Liangke Gui, Qiuyuan Huang, Alex Haupt <i>ArXiv</i>		2022
73.	Multi-View Learning for Vision-and Qiaolin Xia, Xiujun Li, Chunyuan Li, Yona A. Smith <i>ArXiv</i>	-Language Navigation atan Bisk, Zhifang Sui, Jianfeng Gao, Yejin Choi, Noah	2020
74.			2019
75.	CHALET: Cornell House Agent Lea Claudia Yan, Dipendra Misra, Andrew Ber ArXiv Preprint 1801.07357	n <mark>rning Environment</mark> nnett, Aaron Walsman, <u>Yonatan Bisk,</u> Yoav Artzi	2018
76.	Unsupervised Grammar Induction w Yonatan Bisk University of Illinois at Urbana-Champaign	rith Combinatory Categorial Grammars	2015
	Thesis Committees		
_	MSR Mateo Guaman Castro	Sebastian Scherer	, CMU
_	PhD Kaixin Ma	Eric Nyberg	, CMU
2023	PhD Nicholas Botzer	Tim Weninger, Notre	Dame
2023	PhD Naoki Otani	Ed Hovy	, CMU
2023	PhD Dylan Ebert	Ellie Pavlick,	Brown
2022	PhD Shikib Mehri	Maxine Eskenazi	
2022	PhD Shruti Palaskar	Alan Black and Florian Metze	
2022	PhD Evangelia Spiliopoulou	Ed Hovy	
2022	PhD Dheeraj Rajagopal	Ed Hovy	
2022	PhD Volkan Cirik	Louis-Philippe Morency and Taylor Berg-Kirkpatrick	
2022	MLT Aishwarya Jadhav	Katia Sycara	
2021	PhD Pengcheng Yin	Graham Neubig	
2020	PhD Zihang Dai	Yiming Yang	, CMU

2021	MLT Jing Wen Katerina Frag	gkiadaki, CMU		
2021	Qual Mohit Sharma Oliver h	Kroemer, CMU		
	Teaching			
2023	11-851 Talking to Robots # 5	Students: , FA		
	11-767 On-Device Machine Learning Co-Emma Strubell # 5			
	11-777 MultiModal Machine Learning Co-Daniel Fried # Stud			
2022	11-767 On-Device Machine Learning Co-Emma Strubell # Str			
	- · · · · · · · · · · · · · · · · · · ·	idents: 94, SP		
2021	11-767 On-Device Machine Learning Co-Emma Strubell # Str			
	- · · · · · · · · · · · · · · · · · · ·	idents: 42, SP		
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	Diversity and Inclusion			
2022	NAACL 2022 DEI Co-Chair			
2021	Restructuring of LTI PhD Admissions,	2yr		
2020	LTI DEI Committee,	2yrs		
2019	CrashCourse AI Educational YouTube series targeted at high-school age viewers. He Ashe. Co-Written with Lana Yarosh and Tim Weninger,	osted by Jabril 1yr		
2018	ACM Council on Diversity & Inclusion Investigating and initiating institutional ch ACM on behalf of underrepresented groups.,	-		
_	Grace Hopper PC member Review submissions to Al 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	• • • • • • • • • • • • • • • • • • • •			
	Information Technology's Award for Aspirations in Computing which supports high-so	_		
	interested in CS, UIUC, ISI	<i>6yrs</i>		
_	Tech Junket/Women in CS Outreach for local Urbana-Champaign pre-college students	ents, UIUC		
2008	Freshman Research Mentor Mentored students to perform research, UTexas	1yr		
_	First Bytes Helped organize a summer camp for girls interested in CS, UTexas			
_	Co-Founded Breakfast Bytes Professor talks for pre-college students, UTexas	1yr		
_	CS Roadshow CS presentations at Austin middle and high schools, UTexas	1yr		
	(Senior) Area Chair / Action Editor			
2024	Conference on Computer Vision and Pattern Recognition (CVPR)	CV		
2023	Neural Information Processing Systems (NeurIPS)	AI/ML		
_	International Conference on Machine Learning (ICML)	AI/ML		
_	AE: Transactions on Machine Learning Research (TMLR)	AI/ML		
_	Senior AE: ACL Rolling Review (ARR)	NLP		
_	Ethics Co-Chair: Association for Computational Linguistics (ACL)	NLP		
_	Empirical Methods in Natural Language Proc (EMNLP)	NLP		
2022	International Conference on Learning Representations (ICLR)	AI/ML		
_	Senior MR: Association for the Advancement of Artificial Intelligence (AAAI)	AI/ML		
_	Senior AC: Empirical Methods in Natural Language Proc (EMNLP)	NLP		
_	AE: Transactions on Machine Learning Research (TMLR)	AI/ML		
_	Senior AE: ACL Rolling Review (ARR)	NLP		
_	Neural Information Processing Systems (NeurIPS)	AI/ML		
2021	International Conference on Learning Representations (ICLR)	AI/ML		

_	Associati	ion for Computational Linguistics (ACL)	NLP	
_	Empirica	l Methods in Natural Language Proc (EMNLP)	NLP	
_	Neural Ir	nformation Processing Systems (NeurIPS)	AI/ML	
_	ACL Roll	ling Review (ARR)	NLP	
2020	Associati	ion for Computational Linguistics (ACL)	NLP	
_	Neural Ir	nformation Processing Systems (NeurIPS)	AI/ML	
_	Asia-Pac	ific chapter of the Association for Computational Linguistics (AACL)	NLP	
2019	Associati	ion for Computational Linguistics (ACL)	NLP	
2018	Internation	onal Conference on Computational Linguistics	NLP	
2016	Conferen	ce on Lexical and Computational Semantics (*SEM)	NLP	
	Review	rer		
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	
	EMNLP	Empirical Methods in Natural Language Processing	2013 – 2020	
	IJCNLP	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 – 2023	
Robo	CoRL	Conference on Robot Learning 201	9 – 2021,2023	
	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	2019,2023	
	RA-L	IEEE Robotics and Automation Letters	2019,2023	
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, 2023	
	_			
	Organi	zation (Workshops and Conference)		
2022	Workshop Embodied AI Workshop – Challenge Organizer Computer Vision and Pattern Recognition			
2021		p Embodied AI Workshop – Challenge Organizer Vision and Pattern Recognition		
2020		p Embodied Vision, Actions & Language Workshop Conference on Computer Vision		

Workshop *Workshop on Dataset Curation and Security* NeurlPS

- 2019 **Workshop** Spatial Language Understanding and Grounded communication for Robotics North American Chapter of the Association for Computational Linguistics
- 2018 Conference Social Media Chair

North American Chapter of the Association for Computational Linguistics

- Workshop Generalization in the Age of Deep Learning
 North American Chapter of the Association for Computational Linguistics
- Workshop Wordplay: Reinformcent and Language Learning in Text-Based Games NeurIPS
- 2017 **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

Invitations and Talks

- Are We Really Talking to Robots? "Dialogue with Robots" workshop, UPitt NSF Workshop Words ≠ language Articulate Robots: Utilizing Language for Robot Learning RSS Workshop
- 2022 Can we really connect language to robotics? CoRL Wksp on Language and Robot Learning
 How 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

University of Pittsburgh NLP

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 Koç 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 Al

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

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