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	- /	damental AI Resea	arch (FAIR))	w/ Dhru	ıv Batra
2021 -	Consulting Professo	r Micros	oft Research				
2019 –	Visiting Researcher	Microso	ft Research			w/ Jianfeng Gao	
2017 –	Postdoctoral Schola University of Washington	on & Alle	n Institute for Artifi	cial Intellige	ence	w/ Yejin Choi	
2015 –	Postdoctoral Schola Information Sciences In		Iniversity of Souther	n California	ı	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							
	Advisor: Risto Miikkula	inen	Second Reader: R	aymond Mo	ooney		
	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	she/her	Language to Con	trol		RI	2021 -
PhD	Tiffany Min	she/her	Embodiment		(co-R Salakhutdinov)	MLD	2021 -
PhD	Yingshan Chang	she/her	Multimodal Reaso	oning		LTI	2022 –
	Research MS S	tudent	CS .				
MLT	Jimin Sun	she/her	Embodied Dialog	ue		LTI	2022 –
	Professional Ma	asters	Students				
MRSD	Assistive Robotics f	or Elder	care (*co-Z Ericl				2023
	Abhinav Gupta		he/him	Atharva		he/him	
	Praveen Venkatesh Shivam Tripathy		he/him he/him	Shaolin I	Nataria	he/him	
	Alumni, Interns	, and	Undergraduat	tes			
Ugrad	Xiang Fan		Transformer Effic	iency	(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 Autonomy (*co-Z Erickson)						2022		
	Jashkumar Diyora		he/him		angopadhyay	sh	e/her	
	Jigar Patel		he/him	Prakhar	Pradeep	he	/him	
	Shivani Sivakumar		she/her					
MCDS	Embodied Navigation			Kuchage	a Mahajan	1	/1 •	2022
	Adhokshaja Madhwara Sai Vishwas Padigi	J	he/him he/him	Vineeth	•		/him /him	
	Malaika Vijay		she/her		Jessica) Zhong		e/her	
MCDS	Embodied Dialogue	and Tol	,	Zireng (s	Jessied) Zilong	511	c/ ner	2022
	Xinyue Chen		she/her	Nikhil G	upta	he	/him	
	Benny Jiang		he/him	Shubhan			/him	
	Prasoon Varshney		he/him					
MCDS	Novel Concept Learn	ning						2022
	Bharani Ujjaini Kempa	iiah	she/her	Linyi Li		sh	e/her	
MSAII	Visual Patent Search	1			_			2022
	Suchong Dong		she/her	Zhiyuan			/him	
	Mansi Goyal		she/her		lendez Simon		e/her	
NALT	Sreenidhi Sundaram		she/her		n Den Berghe		/him	2022
MLT	Yingshan Chang		Multimodal Re	_		LTI		- 2022
MLT	Josh Zhanson		Embodied Visi	•		LTI		- 2022
MS	Xiaoyu (Erin) Zhang	she/her	Collaborative F	Robots	(co-O Kroemer)	5th	2021 -	- 2022
Ugrad	Feiyu (Gavin) Zhu		Video Summar	ization	(co-C Paxton)			2021
Intern	Melanie Sclar		Symmetric The	eory-of-Mind	(co-G Neubig)			2021
Intern	Blessing Bassey		<i>TextVQA</i>					2021
	Journal Publicat	ions						
1.	The Return of Lexico Hao Zhu, <u>Yonatan Bisk</u> ,	Graham	Neubig		zed PCFGs			2020
2.	An HDP Model for I Yonatan Bisk, Julia Hoc Transactions of the Asso	nducing kenmaier	g Combinatory	Categorial	Grammars			2013
	Conference Pub			zgaiotios				
3.	HomoRobot Open V	ocab M	lobilo Manipul	ation Challe	ngo			2023
3.	HomeRobot Open Vocab Mobile Manipulation Challenge Sriram Yenamandra, Arun Ramachandran, Mukul Khanna, Karmesh Yadav, Devendra Singh Chaplot, Gunjan Chhablani, Alexander Clegg, Theophile Gervet, Vidhi Jain, Ruslan Partsey, Ram Ramrakhya, Andrew Szot, Tsung-Yen Yang, Aaron Edsinger, Charlie Kemp, Binit Shah, Zsolt Kira, Dhruv Batra, Roozbeh Mottaghi, Yonatan Bisk, Chris Paxton Thirty-seventh Conference on Neural Information Processing Systems: Competition Track					2023		
4.	EXCALIBUR: Encouraging and Evaluating Embodied Exploration Hao Zhu, Raghav Kapoor, So Yeon Min, Winson Han, Jiatai Li, Kaiwen Geng, Graham Neubig, Yonatan Bisk, Aniruddha Kembhavi, Luca Weihs Conference on Computer Vision and Pattern Recognition					2023		
5.	Computational Language Acquisition with Theory of Mind Andy Liu, Hao Zhu, Emmy Liu, Yonatan Bisk, Graham Neubig The Eleventh International Conference on Learning Representations			2023				
6.				2022				
7.	EvEntS ReaLM: Eve Evangelia Spiliopoulou, A Conference on Empirical	Artidoro	Pagnoni, Yonata	n Bisk, Eduar	d Hovy	5		2022

8.	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
9.	Transformers are Adaptable Task Planners Vidhi Jain, Yixin Lin, Eric Undersander, Yonatan Bisk, Akshara Rai Conference on Robot Learning	2022
10.	Symmetric Machine Theory of Mind Melanie Sclar, Graham Neubig, Yonatan Bisk 39th International Conference on Machine Learning	2022
11.	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
12.	Simulated Language Learning from Communicative Goals and Linguistic Input Hao Zhu, Yonatan Bisk, Graham Neubig Annual Meeting of the Cognitive Science Society (Oral)	2022
13.	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
14.	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
15.	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
16.	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
17.	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
18.	Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer Conference on Robot Learning	2021
19.	TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao International Conference on Computer Vision	2021
20.	Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk The Thirty-eighth International Conference on Machine Learning	2021
21.	Grounding 'Grounding' in NLP Khyathi Raghavi Chandu, Yonatan Bisk, Alan W Black Findings of The 2021 Conference of the Association for Computational Linguistics	2021
22.	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
23.	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

24.	ALFWorld: Aligning Text and Embodied Environments for Interactive Learning Mohit Shridhar, Xingdi Yuan, Marc-Alexandre Côté, Yonatan Bisk, Adam Trischler, Matthew Hausknecht	2021
	International Conference on Learning Representations	
25.	Imagining Grounded Conceptual Representations from Perceptual Information in Situated Guessing Games Alessandro Suglia, Antonio Vergari, Ioannis Konstas, Yonatan Bisk, Emanuele Bastianelli, Andrea Vanzo, Oliver Lemon	2020
	The 28th International Conference on Computational Linguistics (Oral)	
26.	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
07		0000
27.	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
28.	ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday	2020
	Tasks 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)	
29.	PIQA: Reasoning about Physical Commonsense in Natural Language	2020
	Yonatan Bisk, Rowan Zellers, Ronan Le Bras, Jianfeng Gao, Yejin Choi	
	Thirty-Fourth AAAI Conference on Artificial Intelligence (Oral)	
30.	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
	Conference on Empirical Methods in Natural Language Processing and 9th International	
31.	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	
32.	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
33.	Early Fusion for Goal Directed Robotic Vision Aaron Walsman, Yonatan Bisk, Saadia Gabriel, Dipendra Misra, Yoav Artzi, Yejin Choi, Dieter Fox	2019
	2019 IEEE/RSJ International Conference on Intelligent Robots and Systems	
34.	HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi Association for Computational Linguistics	2019
35.	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
36.	Tactical Rewind: Self-Correction via Backtracking in Vision-and-Language	2019
30.	Navigation Liyiming Ke, Xiujun Li, <u>Yonatan Bisk</u> , Ari Holtzman, Zhe Gan, Jingjing Liu, Jianfeng Gao, Yejin Choi, Siddhartha Srinivasa	2010
	The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (Oral)	
37.	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
38.	Shifting the Baseline: Single Modality Performance on Visual Navigation & QA Jesse Thomason, Daniel Gordon, <u>Yonatan Bisk</u>	2019
	Annual Conference of the North American Chapter of the Association for Computational Linguistics	

39.	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)	
40.	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)	
41.	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
42.	Synthetic and Natural Noise Both Break Neural Machine Translation Yonatan Belinkov, Yonatan Bisk 6th International Conference on Learning Representations (Oral)	2018
43.	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
44.	Natural Language Inference from Multiple Premises Alice Lai, Yonatan Bisk, Julia Hockenmaier Eighth International Joint Conference on Natural Language Processing (Oral)	2017
45.	Natural Language Communication with Robots Yonatan Bisk, Deniz Yuret, Daniel Marcu 15th Annual Conference of the North American Chapter of the Association for	2016
46.	Computational Linguistics (Oral) Supertagging with LSTMs Ashish Vaswani, Yonatan Bisk, Kenji Sagae, Ryan Musa	2016
47.	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 Conference on Empirical Methods in Natural Language Processing	2016
48.	Probing the Linguistic Strengths and Limitations of Unsupervised Grammar 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)	2015
49.	(Oral) Labeled Grammar Induction with Minimal Supervision Yonatan Bisk, Christos Christodoulopoulos, Julia Hockenmaier 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (Volume 2: Short Papers)	2015
50.	Simple Robust Grammar Induction with Combinatory Categorial Grammar Yonatan Bisk, Julia Hockenmaier Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)	2012
51.	Document-Topic Hierarchies from Document Graphs Tim Weninger, Yonatan Bisk, Jiawei Han 21st ACM international conference on Information and knowledge management (CIKM 2012)	2012
52.	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	
53.	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	2022

54.	Tackling AlfWorld with Action Attention and Common Sense from Language	2022
	Models Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Shrimai Prabhumoye Language and Reinforcement Learning Workshop at NeurIPS 2022	
55.	Worst of Both Worlds: Biases Compound in Pre-trained Vision-and-Language	2022
	Models Tejas Srinivasan, <u>Yonatan Bisk</u> 4th Workshop on Gender Bias in Natural Language Processing	
56.	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
57.	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
58.	Inducing Grammars with and for Neural Machine Translation Ke Tran, Yonatan Bisk 2nd Workshop on Neural Machine Translation	2018
59.	Bridging HMMs and RNNs through Architectural Transformations Jan Buys, Yonatan Bisk, Yejin Choi	2018
60	32nd Conference on Neural Information Processing Systems (NIPS 2018), IRASL workshop	2016
60.	Towards a Dataset for Human Computer Communication via Grounded Language Acquisition Yonatan Bisk, Daniel Marcu, William Wong AAAI 2016 Workshop on Symbiotic Cognitive Systems	2010
61.	Unsupervised Neural Hidden Markov Models Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, Kevin Knight Workshop on Structured Prediction for NLP (Oral)	2016
62.	Induction of Linguistic Structure with Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier NAACL HLT Workshop on Induction of Linguistic Structure	2012
	Tech Reports	
63.	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	2023
64.	Plan, Eliminate, and Track – Language Models are Good Teachers for Embodied	2023
	Agents Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Amos Azaria, Yuanzhi Li, Tom Mitchell, Shrimai Prabhumoye	
c.E	ArXiv	0000
65.	The Framework Tax: Disparities Between Inference Efficiency in Research and Deployment Jared Fernandez, Jacob Kahn, Clara Na, Yonatan Bisk, Emma Strubell ArXiv	2023
66.	Self-Supervised Object Goal Navigation with In-Situ Finetuning So Yeon Min, Yao-Hung Hubert Tsai, Wei Ding, Ali Farhadi, Ruslan Salakhutdinov, Yonatan Bisk, Jian Zhang ArXiv	2022

67.	Singh Chaplot, Changan Chen, Claudia Anthony Francis, Chuang Gan, Kristen (Aniruddha Kembhavi, Jacob Krantz, Ste Maksymets, Roberto Martín-Martín, Ros Silvio Savarese, Manolis Savva, Mohit S	Al Workshop Y. Tommaso Campari, Angel X. Chang, Devendra Pérez D'Arpino, Kiana Ehsani, Ali Farhadi, Li Fei-Fei, Grauman, David Hall, Winson Han, Unnat Jain, efan Lee, Chengshu Li, Sagnik Majumder, Oleksandr ozbeh Mottaghi, Sonia Raychaudhuri, Mike Roberts, hridhar, Niko Sünderhauf, Andrew Szot, Ben Talbot, , Alexander Toshev, Joanne Truong, Luca Weihs, Jiajun	2022
68.	Training Vision-Language Transfor Liangke Gui, Qiuyuan Huang, Alex Haup ArXiv		2022
69.	Multi-View Learning for Vision-an Qiaolin Xia, Xiujun Li, Chunyuan Li, Yoo A. Smith <i>ArXiv</i>	d-Language Navigation natan Bisk, Zhifang Sui, Jianfeng Gao, Yejin Choi, Noah	2020
70.	FIND: Identifying Functionally and Sequences with Deep Neural Netw Ranjani Murali, James Hemp, Victoria C bioRxiv		2019
71.	CHALET: Cornell House Agent Le Claudia Yan, Dipendra Misra, Andrew B ArXiv Preprint 1801.07357	e <mark>arning Environment</mark> ennett, Aaron Walsman, <u>Yonatan Bisk,</u> Yoav Artzi	2018
72.	Unsupervised Grammar Induction Yonatan Bisk University of Illinois at Urbana-Champai	with Combinatory Categorial Grammars	2015
	Thesis Committees		
_	PhD Kaixin Ma	Eric Nyber	g, CMU
2023	PhD Nicholas Botzer	Tim Weninger, Notr	-
2023	PhD Naoki Otani	Ed Hov	y, CMU
2023	PhD Dylan Ebert	Ellie Pavlick	, Brown
2022	PhD Shikib Mehri	Maxine Eskenazi	i , CMU
2022	PhD Shruti Palaskar	Alan Black and Florian Metz	e, CMU
2022	PhD Evangelia Spiliopoulou	Ed Hov	y, CMU
2022	PhD Dheeraj Rajagopal	Ed Hov	y, CMU
2022	PhD Volkan Cirik	Louis-Philippe Morency and Taylor Berg-Kirkpatric	k, CMU
2022	MLT Aishwarya Jadhav	Katia Sycar	a, CMU
2021	PhD Pengcheng Yin	Graham Neubi	g, CMU
2020	PhD Zihang Dai	Yiming Yan	g, CMU
2021	MLT Jing Wen	Katerina Fragkiadak	ci, CMU
2021	Qual Mohit Sharma	Oliver Kroeme	er, CMU
	Teaching		
2023	11-777 MultiModal Machine Learn	ning	107, SP
2022	11-767 On-Device Machine Learni	-	
2022	11-777 MultiModal Machine Learn		
2021	11-767 On-Device Machine Learni	-	
2021	11-777 MultiModal Machine Lear		

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. Hosted by Ashe. Co-Written with Lana Yarosh and Tim Weninger,	/ Jabril <i>1yr</i>
2018	ACM Council on Diversity & Inclusion Investigating and initiating institutional change with ACM on behalf of underrepresented groups.,	thin <i>1yr</i>
_	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	mation <i>3yrs</i>
2009	NCWIT Aspirations in Computing Review applications for the National Center for Wome Information Technology's Award for Aspirations in Computing which supports high-school gi interested in CS, UIUC, ISI	
-	Tech Junket/Women in CS Outreach for local Urbana-Champaign pre-college students, U 2yrs	IUC
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
	Organization (Workshops and Conference)	
2022	Workshop Embodied AI Workshop – Challenge Organizer Computer Vision and Pattern Recognition	
2021	Workshop Embodied AI Workshop – Challenge Organizer Computer Vision and Pattern Recognition	
2020	Workshop Embodied Vision, Actions & Language Workshop European Conference on Computer Vision	
_	Workshop Workshop on Dataset Curation and Security NeurIPS	
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 <i>Generalization in the Age of Deep Learning</i> 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	
	Area Chair / Action Editor	
2023	Neural Information Processing Systems (NeurIPS)	
-	International Conference on Machine Learning (ICML)	
_	Transactions on Machine Learning Research Action Editor	
_	Senior AE: ACL Rolling Review	
-	Ethics Co-Chair: Association for Computational Linguistics	
-	Empirical Methods in Natural Language Proc Senior AC: Language Grounding to Vision Robotics and Beyond track	,

2022 International Conference on Learning Representations

- 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
- 2019 Association for Computational Linguistics Vision, Robotics, Multimodal Grounding, and Speech
- 2018 International Conference on Computational Linguistics
- 2016 Conference on Lexical and Computational Semantics (*SEM) Sem. Parsing and Role Labeling

Reviewer

NLP	ARR	Association for Computational Linguistics Rolling Review	
	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	2019 – 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 System	ms <i>2019,2023</i>
	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

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Invitat	IODC	าทป	Talks
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2023 Are We Really Talking to Robots? "Dialogue with Robots" workshop, UPitt NSF 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 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

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