JESSE THOMASON

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Google Scholar Profile

RESEARCH and INDUSTRY POSITIONS

- Georgia Institute of Technology, Associate Professor — 2026–present
- University of Southern California, Assistant Professor — 2021–2026
- Amazon Alexa AI, Visiting Academic — 2020–2021
- University of Washington, Postdoctoral Scholar — 2018–20

EDUCATION

- PhD Computer Science, University of Texas at Austin — 2013–18
- BS Computer Science; Mathematics, University of Pittsburgh — 2009–13

TEACHING

University Courses: developed 4 (marked with *), taught 6.

6. *CS 4641: Machine Learning*: This undergraduate course introduces machine learning techniques and applications. Topics include foundational issues; inductive, analytical, numerical, and theoretical approaches; and real-world applications. — Fall 2026
5.* *CSCI 699: History of Language and Computing*: A role-playing reading seminar for PhD, MS, and undergraduate students that covers primary and secondary texts on the history of thought and paradigms surrounding language and computing. — Spring 2025, Spring 2024
4.* *CSCI 444: Natural Language Processing*: This undergradaute course introduces core NLP concepts as well as the modern ML techniques behind large language models. I developed the course originally as CSCI 499: NLP for Interactive AI. — Fall 2024
3. *CSCI 566: Deep Learning and its Applications*: This Master's course covers the core ML background for deep learning, and specific successful and widely used architectures in computer vision, natural language processing, and robotics. — Spring 2023
2.* *CSCI 499: Natural Language Processing for Interactive AI*: This undergraduate course introduces core NLP concepts and builds towards AI agents that operate with text input and output as chatbots or embodied agents in simulated or real environments. — Fall 2022
1.* *CSCI 699: Grounding Natural Language*: This PhD topics course covers multimodal machine learning problems and architectures where natural language serves as an interface between people and AI systems and ML tools. — Spring 2022

RESEARCH SUPERVISION

Ph.D Student Alumni (8)

Abrar Anwar — Fall 2021–Spring 2026
Thesis: Language-Guided Robot Learning and Evaluation
Next: Robotics @ NVIDIA
Awards: Horatio Alger Scholar (2023),
Viterbi Research Fellow (2021)

Tejas Srinivasan — Fall 2021–Spring 2026
Thesis: Facilitating Reliable Human-AI Collaboration Under Uncertainty
Next: Microsoft 365
Awards: USC-Capital One CREDIF Fellowship (2025),
USC-Amazon Machine Learning Fellowship (2024),
Viterbi Undergraduate Research Mentoring Award (2023)

Ting-Yun Chang (Co-advised by Robin Jia) Fall 2021–Spring 2026
Thesis: Dissecting LLMs: From Component Attribution to Actionable Insights
Next: Microsoft 365

Ishika Singh Fall 2021–Spring 2026
Thesis: Adapting Large Pre-Trained Models for Generalized Robot Reasoning and Control
Next: Robotics @ NVIDIA
Awards: Viterbi Research Fellow (2021)

Wang Bill Zhu (Co-advised by Robin Jia) Spring 2022–Spring 2026
Thesis: Domain-Adaptive Programming: Expanding the Boundary of What LLMs can Solve
Next: Postdoc with Serina Chang's lab at UC Berkeley

Yuliang Cai (Co-advised by Mohammad Rostami) Spring 2024–Fall 2026
Thesis: Efficient Transfer Learning to Address Semantic Shift for Vision Language Models
Next: TikTok

Lee Kezar Summer 2022–Summer 2025
Thesis: Phonological Inductive Biases for Computationally Modeling American Sign Language Video
Next: Postdoc with Lorna Quandt's Action and Brain Lab at Gallaudet University

Jesse Zhang (Co-advised by Erdem Biyik) Fall 2023–Spring 2025
Thesis: Scaling Robot Adaptation with Large Model Guidance
Next: Postdoc with Abhishek Gupta's WEIRD Lab at the University of Washington

Current Ph.D. Students (8)

Hoachi Pan Fall 2026–present

Leticia Pinto-Alva (Co-advised by Gale Lucas) Fall 2021–present
Milestones: Qualification Exam (Summer 2025)
Awards: Viterbi Outstanding Mentor Award (2023), Viterbi Research Fellow (2021)

Zizhao Hu (Co-advised by Mohammad Rostami) Spring 2024–present
Milestones: Qualification Exam (Spring 2025)

Harshitha Rajaprakash Fall 2025–present

Dhananjay Ashok (Co-advised by Jon May) Fall 2025–present
Milestones: Qualification Exam (Spring 2026)
Awards: Viterbi Research Fellow (2024)

Wei Yang Fall 2025–present

Jie Cai Fall 2025–present

Xinyan Yu Spring 2026–present

Former Ph.D. Students (1)

Anthony Liang (Fall 2021–Summer 2024; →*Advised by Erdem Biyik and Stephen Tu; graduated Spring 2026*)

Master's Student Collaborators (5 current; 13 total)

Aditeya Kamlesh Prajapati (2026–), Mousumi Das (2025–), Asmita Mohanty (2025–), Yusen Luo (2024–), Ryan Lindeborg (2024–), Mann Patel (2024–25; →*Capital One*), Jiahui Zhang (2024–25; →*UT Dallas CS PhD Program*), Yiming Tang (2023–25; →*Baidu NLP Team*), Chengqi Xu (2023), Chenfeng Huang (2023; →*UCLA Statistics PhD Program*), Athang Gupte (2023–24; →*Rockstar Games*), Wilbert Pumacay (2023–24; →*Allen Institute for AI Predoctoral Program*), Yuan Huang (2022–23)

Undergraduate Student Researchers (3 current; 38 total)

Ryan Nene (2025–), Emily Wang (2024–), Richard Peng (2024–), Trevor Asbery (2025; →*Google*), Mike Gee (2025; →*Yale MSCS Program*), Zian Zeng (2024; SURE Fellow), Vedant Raval (2024), Christina Wang (2024–25), Matthew Salaway (2024–25; →*Boeing*), Ryan Wang (2024–25; →*UC Berkeley CS PhD Program*), Lorena Yan (2024–25; →*NYU CS PhD Program*), Qiutong Yi (2024–26), David Bai (2024–25; CURVE Fellow), Keyu

He (2023–25; →*CMU CS Masters Program*), Jaiv Doshi (2023), Yuxi Qian (2023), Zain Merchant (2023–25; CURVE Fellow; →*Google*), Cicily Chung (2023; CURVE Fellow), Nidhi Munikote (2023–24; CURVE Fellow), Miaosen Chai (2023–26; CURVE Fellow; →*UChicago CS PhD Program*), Riley Ashford (2023–24; SURE Fellow, CURVE Fellow), Emmanuel Ezirim (2023–24; VSI Fellow, CURVE Fellow), Gwen Bradforth (2023–24; CURVE Fellow), Rohan Gupta (2023–25; Provost's Fellow; →*Synopsys*), Abhinav Gupta (2023–26; Provost's Fellow, URAP; →*NYU CS MS Program*), Riley Carlin (2023; →*Columbia Statistics PhD Program*), Furong Jia (2022–23; CURVE Fellow; →*Duke CS PhD Program*), Allen Chang (2022–23; →*NSFGRFP; UPenn CS PhD Program*), Aarav Monga (2022–23), Leslie Moreno (2022–26; CURVE Fellow; →*Jariet*), Elle Szabo (2022–23), Chu Fang (2022–23; URAP), Julie Kim (2022–23; CURVE Fellow), Junu Song (2022; CURVE Fellow), Minh Ngoc Vu (2022; NSF Robotics REU), Kush Bhagat (2022; SURE Fellow), Chidera Iwudyke (2022; SURE Fellow), Tanis Sarbatananda (2022; LACC ASSURE Fellow)

Ph.D. Thesis Defense Committee Member (15) to: Tsung-Shan (Kevin) Yang (2026, USC); Xisen Jin (2025, USC); Zhaoxu Zhang (2025, USC); Bingjie Tang (2025, USC); Kasra Darvish (2025, UMBC); Digbalay Bose (2024, USC); Tom Groechel (2023, USC); Karl Pertsch (2023, USC); Chris Denniston (2023, USC); Lauren Klein (2023, USC); Sara Mohammadinejad (2022, USC); Sebastien Arnold (2022, USC); Aleksei Petrenko (2022, USC); Weiyu Lu (2022, Georgia Tech); Hexiang Hu (2021, USC); Shurjo Banarjee (2021, UMich).

GRANTS, CONTRACTS, and GIFTS

Raised approximately $1,297,451 since Fall 2021, calculated as the sum of my shares of awarded grants.

Current (2)

14. IARPA Bias Effects and Notable Generative AI Limitations (BENGAL) grant for *Enabling Efficient Unlearning in Pretrained Large Language Models through Information Localization*; PI: Robin Jia; Co-PI: Jesse Thomason; Total $567,769 (Thomason share $82,518); Feb 2026–Aug 2027.
13. National Science Foundation (NSF) CISE IIS grant for *HCC: Medium: Language-guided Haptic Texture Modeling and Signal Generation* (Award 2504241); PI: Heather Culbertson; Co-PI: Jesse Thomason; Total $850,000 (Thomason share $425,000); Oct 2025–Sep 2029.

Completed (12)

12. NVIDIA Accelerating Innovation in Academia gift for *Ensuring Reliable and Safe Pretrained Robot Policy Behavior*; PI: Jesse Thomason; DGX Spark (estimated value $3,999); Oct 2025–Sep 2026.
11. USC-Capital One Center for Responsible AI and Decision Making in Finance (CREDIF) grant for *Human-in-the-loop Multi-Agentic AI Systems for Task-oriented Dialogue*; PI: Jesse Thomason; Total $84,000; Aug 2025–Jul 2026.
10. DARPA ARC Safe and Assured Foundation Robots for Open Environments (SAFRON) grant for *Assuring Pretrained Robot Policy Behavior by Combining Statistical ML and Software Testing Methods* (Award HR0011-25-3-0154); PI: Jesse Thomason; Co-PIs: Souti Chattopadhyay, William G.J. Halfond; Total $197,457 (Thomason share $108,223); Jul 2025–Jun 2026.
9. DARPA Friction and Accountability in Conversational Transactions (FACT) AI Exploration grant for *BECAREFUL: Building Embodied Conversational Agent Reliability by Exerting Friction through Uncertain Language* (Award HR00112490376); PI: Dilek Hakkani-Tur; Co-PIs: Gokhan Tur, Malihe Alikhane, Jesse Thomason, Julia Hockenmeier; Total $700,000 (Thomason share $215,000); Mar 2024–Aug 2025.
8. USC Undergraduate Research Associates Program (URAP) gift for *Gesture for L2 Lexical Acquisition*; PI: Jesse Thomason; Total $3,300; Aug 2023–Apr 2024.
7. Laboratory for Analytic Sciences grant for *Multimodal Transformers with Compositional Modules for Continual Learning*; PI: Mohammad Rostami; Co-PI: Jesse Thomason; Total $13,333; Jan 2023–Apr 2023.

6. NSF Convergence Accelerator Track H grant for *Determining Community Needs for Accessibility Tools that Facilitate Programming Education and Workforce Readiness for Personas with Disabilities* (Award 2236320); PI: Maja Matarić; Co-PIs: Stephen Aguilar, Sook-Lei Liew, Gisele Ragusa, Jesse Thomason; Total $750,000 (Thomason share $92,576); Dec 2022–Nov 2024.
5. UPenn's Alzheimer's Disease Research Center supported by NIH 'Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging' subaward for *An Accessible Machine Learning-Based ADRD Screening Tool for Families and Caregivers* (Award 5-P30-AG-073105-02); PI: Maja Matarić; Co-PI: Jesse Thomason; Thomason share $8,350; Dec 2022–Nov 2024.
4. USC Undergraduate Research Associates Program (URAP) gift for *Glass is to Shatter as Rubber is to Bounce: Analogies for Natural Language Processing*; PI: Jesse Thomason; Total $3,300; Aug 2022–Apr 2023.
3. Laboratory for Analytic Sciences grant for *Continual Learning of Few Shot Learners for Natural Language Processing*; PI: Mohammad Rostami; Co-PI: Jesse Thomason; Total $40,000; May 2022–Dec 2022.
2. Army Research Laboratory: Army Artificial Intelligence Innovation Institute (A2I2) grant for *Communicating with Natural Language Dialogue for Teams of Intelligent Systems and Humans* (Award W911NF-23-2-0010); PI: David Traum; Co-PI: Jesse Thomason; Total $247,588 (Thomason share $192,852); Feb 2022–Nov 2025.
1. Amazon AWS Credits for Amazon Vising Academics gift for *Language-Guided Mobile Manipulators*; PI: Jesse Thomason; Total $25,000; Sep 2021–Aug 2022.

HONORS and AWARDS

- Best Paper Award—
  Special Interest Group on Discourse and Dialogue (SIGDIAL) 2026
- Best Paper Award—
  2nd Workshop on Out-of-Distribution Generalization in Robotics @ RSS 2025
- Best Paper Award—
  2nd Workshop on Nonverbal Cues for Human-Robot Cooperative Intelligence @ ICRA 2025
- 2nd Place Best Paper Award—
  Interactive AI for Human-Centered Robotics Workshop @ Ro-MAN 2024
- Charles Lee Powell Faculty Research Award (USC) 2022
- National Science Foundation Graduate Research Fellowship (NSF GRFP) 2015
- Microelectronics and Computer Development (MCD) Fellowship, University of Texas at Austin 2013
- Computer Science Outstanding Undergraduate Student Award, University of Pittsburgh 2013
- Honors College Chancellor's Scholarship, University of Pittsburgh 2009

SELECTED MEDIA COVERAGE

- Photo Essay: 'Human Centered' The USC School of Advanced Computing in 23 Images, USC Viterbi Magazine, November 2024.
- Scientists Are Putting ChatGPT Brains Inside Robot Bodies. What Could Possibly Go Wrong?, Scientific American, March 2024.

PUBLICATIONS

Refereed Journal Articles (7)

7. Colosseum V2: Benchmarking Generalization for Vision Language Action Models. Jeremy Morgan, Prajwal Vijay, Hyeonho Oh, Jincen Song, Ashvin Arora, Alina Du, Gaurav Sukhatme, **Jesse Thomason**, and Ishika Singh. *Robotics and Automation Letters*, 2026. RA-L

6. Bridging Language and Action: A Survey of Language-Conditioned Robot Manipulation. Hongkuan Zhou, Xiangtong Yao, Oier Mees, Yuan Meng, Ted Xiao, Yonatan Bisk, Jean Oh, Edward Johns, Mohit Shridhar, Dhruv Shah, **Jesse Thomason**, Kai Huang, Joyce Chai, Zhenshan Bing, and Alois Knoll. *International Journal of Robotics Research Special Issue: Foundation Models and Neural-Symbolic AI for Robotics*, 2026. IJRR
5. Better Slow than Sorry: Introducing Positive Friction for Reliable Dialogue Systems. Mert Inan, Anthony Sicilia, Suvodip Dey, Vardhan Dongre, Tejas Srinivasan, **Jesse Thomason**, Gokhan Tur, Dilek Hakkani-Tur, and Malihe Alikhani. *Transactions of the Association for Computational Linguistics*, 2025. TACL
4. ProgPrompt: Program generation for situated robot task planning using large language models. Ishika Singh, Valts Blukis, Arsalan Mousavian, Ankit Goyal, Danfei Xu, Jonathan Tremblay, Dieter Fox, **Jesse Thomason**, and Animesh Garg. *Autonomous Robots*, 2023. AURO
3. Multimodal embodied attribute learning by robots for object-centric action policies. Xiaohan Zhang, Saeid Amiri, Jivko Sinapov, **Jesse Thomason**, Peter Stone, and Shiqi Zhang. *Autonomous Robots*, 2023. AURO
2. Jointly Improving Parsing and Perception for Natural Language Commands through Human-Robot Dialog. **Jesse Thomason**, Aishwarya Padmakumar, Jivko Sinapov, Nick Walker, Yuqian Jiang, Harel Yedidsion, Justin Hart, Peter Stone, and Raymond J. Mooney. *The Journal of Artificial Intelligence Research 67*, 2020. JAIR
1. BWIBots: A platform for bridging the gap between AI and human–robot interaction research. Piyush Khandelwal, Shiqi Zhang, Jivko Sinapov, Matteo Leonetti, **Jesse Thomason**, Fangkai Yang, Ilaria Gori, Maxwell Svetlik, Priyanka Khante, Vladimir Lifschitz, J. K. Aggarwal, Raymond J. Mooney, and Peter Stone. *The International Journal of Robotics Research*, 2017. IJRR

Refereed Conference Papers (78)

78. Should We Type or Talk to LLM Agents? A Comprehensive Study of Voice and Keyboard Input Perturbations. Zizhao Hu, Nathan Elijah Segura, Mohammad Rostami, and **Jesse Thomason**. *Findings of European Chapter of the Association for Computational Linguistics*, 2027. EACL Findings
77. SHRED: Retain-Set-Free Unlearning via Self-Distillation with Logit Demotion. Zizhao Hu, Ameya Godbole, Johnny Tian-Zheng Wei, Mohammad Rostami, **Jesse Thomason**, and Robin Jia. *Neural Information Processing Systems*, 2026. NeurIPS
76. Toward Interactive Understanding of Code APIs. Dhananjay Ashok, **Jesse Thomason**, and Jonathan May. *Neural Information Processing Systems*, 2026. NeurIPS
75. Value-Aware Stochastic KV Cache Eviction for Reasoning Models. Ting-Yun Chang, Harvey Yiyun Fu, Deqing Fu, Chenghao Yang, **Jesse Thomason**, and Robin Jia. *Neural Information Processing Systems*, 2026. NeurIPS
74. Expert Personas Improve LLM Alignment but Damage Accuracy: Bootstrapping Intent-Based Persona Routing with PRISM. Zizhao Hu, Mohammad Rostami, and **Jesse Thomason**. *Empirical Methods in Natural Language Processing*, 2026. EMNLP
73. Auditing Multi-Agent LLM Reasoning Trees Outperforms Majority Vote and LLM-as-Judge. Wei Yang, Shixuan Li, Heng Ping, Peiyu Zhang, Paul Bogdan, and **Jesse Thomason**. *Empirical Methods in Natural Language Processing*, 2026. EMNLP
72. Vulnerable Code Search: Transferable Attack for Code Language Models. Kaicheng Wang, Liyan Huang, **Jesse Thomason**, and Weihang Wang. *Findings of Empirical Methods in Natural Language Processing*, 2026. EMNLP Findings
71. Multimodal Behavioral Typicality as a Training-Free Screening Signal for Dementia. Leticia Pinto-Alva, Gale Lucas, Maja Matarić, and **Jesse Thomason**. *International Conference on Multimodal Interaction*, 2026. ICMI

70. TNG-CLIP: Training-Time Negation Data Generation for Negation Awareness of CLIP. Yuliang Cai, **Jesse Thomason**, and Mohammad Rostami. *International Conference on Multimodal Interaction*, 2026. ICMI

69. Mechanistic Finetuning of Vision-Language-Action Models via Few-Shot Demonstrations. Chancharik Mitra, Yusen Luo, Raj Saravanan, Dantong Niu, Anirudh Pai, **Jesse Thomason**, Trevor Darrell, Abrar Anwar, Deva Ramanan, and Roei Herzig. *The European Conference on Computer Vision*, 2026. ECCV

68. DiPS: Dialogue Policy Selection for High-Stakes Persuasion Agents. Tianyi Zhang, Mousumi Das, Abrar Anwar, **Jesse Thomason**, and David Traum. *Special Interest Group on Discourse and Dialogue*, 2026. SIGDIAL
**Best Paper Award*

67. Believing without Seeing: Quality Scores for Contextualizing Vision-Language Model Explanations. Keyu He, Tejas Srinivasan, Brihi Joshi, Xiang Ren, **Jesse Thomason**, and Swabha Swayamdipta. *Association for Computational Linguistics*, 2026. ACL

66. Words that make SENSE: Sensorimotor Norms in Learned Lexical Token Representations. Abhinav Gupta, Toben H. Mintz, and **Jesse Thomason**. *Findings of Association for Computational Linguistics*, 2026. ACL Findings

65. Zero-Shot Iterative Formalization and Planning in Partially Observable Environments. Liancheng Gong, Wang Bill Zhu, **Jesse Thomason**, and Li Zhang. *Findings of Association for Computational Linguistics*, 2026. ACL Findings

64. Adjust for Trust: Mitigating Trust-Induced Inappropriate Reliance on AI Assistance. Tejas Srinivasan and **Jesse Thomason**. *ACM Conference on Intelligent User Interfaces*, 2026. IUI

63. PSALM-V: Automating Symbolic Planning in Interactive Visual Environments with Large Language Models. Wang Bill Zhu, Miaosen Chai, Ishika Singh, Robin Jia, and **Jesse Thomason**. *International Conference on Robotics and Automation*, 2026. ICRA

62. PEEK: Guiding and Minimal Image Representations for Zero-Shot Generalization of Robot Manipulation Policies. Jesse Zhang, Marius Memmel, Kevin Kim, Dieter Fox, **Jesse Thomason**, Fabio Ramos, Erdem Biyik, Abhishek Gupta, and Anqi Li. *International Conference on Robotics and Automation*, 2026. ICRA

61. HAND Me the Data: Fast Robot Adaptation via Hand Path Retrieval. Matthew Hong, Anthony Liang, Kevin Kim, Harshitha Rajaprakash, **Jesse Thomason**, Erdem Biyik, and Jesse Zhang. *International Conference on Robotics and Automation*, 2026. ICRA

60. VeriMoA: A Mixture-of-Agents Framework for Spec-to-HDL Generation. Heng Ping, Arijit Bhattacharjee, Peiyu Zhang, Shixuan Li, Wei Yang, Anzhe Cheng, Xiaole Zhang, **Jesse Thomason**, Ali Jannesari, Nesreen Ahmed, and Paul Bogdan. *Machine Learning and Systems*, 2026. MLSys

59. Learning to Deliberate: Meta-policy Collaboration for Agentic LLMs with Multi-agent Reinforcement Learning. Wei Yang and **Jesse Thomason**. *Conference on Artificial Intelligence*, 2026. AAAI

58. Why Do Some Inputs Break Low-Bit LLM Quantization?. Ting-Yun Chang, Muru Zhang, **Jesse Thomason**, and Robin Jia. *Empirical Methods in Natural Language Processing*, 2025. EMNLP

57. Large Language Models Do Multi-Label Classification Differently. Marcus Ma, Georgios Chochlakis, Niyantha Maruthu Pandiyan, **Jesse Thomason**, and Shrikanth Narayanan. *Empirical Methods in Natural Language Processing*, 2025. EMNLP

56. Can VLMs Recall Factual Associations From Visual References?. Dhananjay Ashok, Ashutosh Chaubey, Hirona J. Arai, Jonathan May, and **Jesse Thomason**. *Findings of Empirical Methods in Natural Language Processing*, 2025. EMNLP Findings

55. Multimodal Synthetic Data Training and Model Collapse: Insights from VLMs and Diffusion Models. Zizhao Hu, Mohammad Rostami, and **Jesse Thomason**. *International Conference on Multimodal Interaction*, 2025. ICMI
54. ReWiND: Language-Guided Rewards Teach Robot Policies without New Demonstrations. Jiahui Zhang, Yusen Luo, Abrar Anwar, Sumedh Anand Sontakke, Joseph J Lim, **Jesse Thomason**, Erdem Biyik, and Jesse Zhang. *Conference on Robot Learning*, 2025. CoRL
53. Efficient Evaluation of Multi-Task Robot Policies With Active Experiment Selection. Abrar Anwar, Rohan Gupta, Zain Merchant, Sayan Ghosh, Willie Neiswanger, and **Jesse Thomason**. *Conference on Robot Learning*, 2025. CoRL
52. The American Sign Language Knowledge Graph: Infusing ASL Models with Linguistic Knowledge. Lee Kezar, Nidhi Munikote, Zian Zeng, Zed Sevcikova Sehyr, Naomi Caselli, and **Jesse Thomason**. *Findings of North American Chapter of the Association for Computational Linguistics*, 2025. NAACL Findings
51. Language Models can Infer Action Semantics for Classical Planners from Environment Feedback. Wang Bill Zhu, Ishika Singh, Robin Jia, and **Jesse Thomason**. *North American Chapter of the Association for Computational Linguistics*, 2025. NAACL
50. Promoting Cognitive Health in Elder Care with Large Language Model-Powered Socially Assistive Robots. Maria R. Lima, Amy O'Connell, Feiyang Zhou, Alethea Nagahara, Avni Hulyalkar, Anura Deshpande, **Jesse Thomason**, Ravi Vaidyanathan, and Maja Matarić. *Conference on Human Factors in Computing Systems*, 2025. CHI
49. Systematic Translation from Natural Language Robot Task Descriptions to STL. Sara Mohammadinejad, Sheryl Paul, Yuan Xia, Vidisha Kudalkar, **Jesse Thomason**, and Jyotirmoy V. Deshmukh. *Bridging the Gap Between AI and Reality*, 2024. AISoLA
48. When Parts are Greater Than Sums: Individual LLM Components Can Outperform Full Models. Ting-Yun Chang, **Jesse Thomason**, and Robin Jia. *Empirical Methods in Natural Language Processing*, 2024. EMNLP
47. Contrast Sets for Evaluating Language-Guided Robot Policies. Abrar Anwar, Rohan Gupta, and **Jesse Thomason**. *Conference on Robot Learning*, 2024. CoRL
46. ViSaRL: Visual Reinforcement Learning Guided by Human Saliency. Anthony Liang, **Jesse Thomason**, and Erdem Biyik. *Intelligent Robots and Systems*, 2024. IROS
45. Selective "Selective Prediction": Reducing Unnecessary Abstention in Vision-Language Reasoning. Tejas Srinivasan, Jack Hessel, Tanmay Gupta, Bill Yuchen Lin, Yejin Choi, **Jesse Thomason**, and Khyathi Raghavi Chandu. *Findings of Association for Computational Linguistics*, 2024. ACL Findings
44. The COLOSSEUM: A Benchmark for Evaluating Generalization for Robotic Manipulation. Wilbert Pumacay, Ishika Singh, Jiafei Duan, Ranjay Krishna, **Jesse Thomason**, and Dieter Fox. *Robotics: Science and Systems*, 2024. RSS
43. Which One? Leveraging Context Between Objects and Multiple Views for Language Grounding. Chancharik Mitra, Abrar Anwar, Rodolfo Corona, Dan Klein, Trevor Darrell, and **Jesse Thomason**. *North American Chapter of the Association for Computational Linguistics*, 2024. NAACL
42. Do Localization Methods Actually Localize Memorized Data in LLMs? A Tale of Two Benchmarks. Ting-Yun Chang, **Jesse Thomason**, and Robin Jia. *North American Chapter of the Association for Computational Linguistics*, 2024. NAACL
41. Efficient End-to-End Visual Document Understanding with Rationale Distillation. Wang Bill Zhu, Alekh Agarwal, Mandar Joshi, Robin Jia, **Jesse Thomason**, and Kristina Toutanova. *North American Chapter of the Association for Computational Linguistics*, 2024. NAACL

40. Chain-of-Questions Training with Latent Answers for Robust Multistep Question Answering. Wang Bill Zhu, **Jesse Thomason**, and Robin Jia. *Empirical Methods in Natural Language Processing*, 2023. EMNLP
39. Task-Attentive Transformer Architecture for Continual Learning of Vision-and-Language Tasks Using Knowledge Distillation. Yuliang Cai, **Jesse Thomason**, and Mohammad Rostami. *Findings of Empirical Methods in Natural Language Processing*, 2023. EMNLP Findings
38. The Sem-Lex Benchmark: Modeling ASL Signs and Their Phonemes. Lee Kezar, Elana Pontecorvo, Adele Daniels, Connor Baer, Ruth Ferster, Lauren Berger, **Jesse Thomason**, Zed Sevcikova Sehyr, and Naomi Caselli. *Conference on Computers and Accessibility*, 2023. ASSETS
37. Exploring Strategies for Modeling Sign Language Phonology. Lee Kezar, Riley Carlin, Tejas Srinivasan, Zed Sevcikova Sehyr, Naomi Caselli, and **Jesse Thomason**. *European Symposium on Artificial Neural Networks*, 2023. ESANN
36. RREx-BoT: Remote Referring Expressions with a Bag of Tricks. Gunnar Sigurdsson, **Jesse Thomason**, Gaurav Sukhatme, and Robinson Piramuthu. *Intelligent Robots and Systems*, 2023. IROS
35. I2I: Initializing Adapters with Improvised Knowledge. Tejas Srinivasan, Furong Jia, Mohammad Rostami, and **Jesse Thomason**. *Conference on Lifelong Learning Agents*, 2023. CoLLAs
34. Multimodal Speech Recognition for Language-Guided Embodied Agents. Allen Chang, Xiaoyuan Zhu, Aarav Monga, Seoho Ahn, Tejas Srinivasan, and **Jesse Thomason**. *Annual Conference of the International Speech Communication Association*, 2023. INTERSPEECH
33. Iterative Vision-and-Language Navigation. Jacob Krantz, Shurjo Banerjee, Wang Bill Zhu, Jason J. Corso, Peter Anderson, Stefan Lee, and **Jesse Thomason**. *Computer Vision and Pattern Recognition*, 2023. CVPR
32. ProgPrompt: Generating Situated Robot Task Plans using Large Language Models. Ishika Singh, Valts Blukis, Arsalan Mousavian, Ankit Goyal, Danfei Xu, Jonathan Tremblay, Dieter Fox, **Jesse Thomason**, and Animesh Garg. *International Conference on Robotics and Automation*, 2023. ICRA
31. Improving Sign Recognition with Phonology. Lee Kezar, **Jesse Thomason**, and Zed Sevcikova Sehyr. *European Chapter of the Association for Computational Linguistics*, 2023. EACL
30. Geolocated Social Media Posts are Happier: Understanding the Characteristics of Check-in Posts on Twitter. Julie Jiang, **Jesse Thomason**, Francesco Barbieri, and Emilio Ferrara. *Web Sciences*, 2023. WebSci
29. ALFRED-L: Investigating the Role of Language for Action Learning in Interactive Visual Environments. Arjun Akula, Spandana Gella, Aishwarya Padmakumar, Mahdi Namazifar, Mohit Bansal, **Jesse Thomason**, and Dilek Hakkani-Tur. *Empirical Methods in Natural Language Processing*, 2022. EMNLP
28. Generalization Differences between End-to-End and Neuro-Symbolic Vision-Language Reasoning Systems. Wang Bill Zhu, **Jesse Thomason**, and Robin Jia. *Findings of Empirical Methods in Natural Language Processing*, 2022. EMNLP Findings
27. CLiMB: A Continual Learning Benchmark for Vision-and-Language Tasks. Tejas Srinivasan, Ting-Yun Chang, Leticia Pinto-Alva, Georgios Chochlakis, Mohammad Rostami, and **Jesse Thomason**. *Neural Information Processing Systems*, 2022. NeurIPS
26. Vision-and-Language Navigation: A Survey of Tasks, Methods, and Future Directions. Jing Gu, Eliana Stefani, Qi Wu, **Jesse Thomason**, and Xin Eric Wang. *Association for Computational Linguistics*, 2022. ACL
25. TEACh: Task-driven Embodied Agents that Chat. Aishwarya Padmakumar, **Jesse Thomason**, Ayush Shrivastava, Patrick Lange, Anjali Narayan-Chen, Spandana Gella, Robinson Piramuthu, Gokhan Tur, and Dilek Hakkani-Tur. *Conference on Artificial Intelligence*, 2022. AAAI

24. Language Grounding with 3D Objects. **Jesse Thomason**, Mohit Shridhar, Yonatan Bisk, Chris Paxton, and Luke Zettlemoyer. *Conference on Robot Learning*, 2021. CoRL
23. The RobotSlang Benchmark: Dialog-guided Robot Localization and Navigation. Shurjo Banerjee, **Jesse Thomason**, and Jason J. Corso. *Conference on Robot Learning*, 2020. CoRL
22. 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, and Joseph Turian. *Empirical Methods in Natural Language Processing*, 2020. EMNLP
21. RMM: A Recursive Mental Model for Dialog Navigation. Homero Roman Roman, Yonatan Bisk, **Jesse Thomason**, Asli Celikyilmaz, and Jianfeng Gao. *Findings of Empirical Methods in Natural Language Processing*, 2020. EMNLP Findings
20. Interpreting Black Box Models via Hypothesis Testing. Collin Burns, **Jesse Thomason**, and Wesley Tansey. *Foundations of Data Science*, 2020. FODS
19. ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday Tasks. Mohit Shridhar, **Jesse Thomason**, Daniel Gordon, Yonatan Bisk, Winson Han, Roozbeh Mottaghi, Luke Zettlemoyer, and Dieter Fox. *Computer Vision and Pattern Recognition*, 2020. CVPR
18. Vision-and-Dialog Navigation. **Jesse Thomason**, Michael Murray, Maya Cakmak, and Luke Zettlemoyer. *Conference on Robot Learning*, 2019. CoRL
17. Improving Robot Success Detection using Static Object Data. Rosario Scalise, **Jesse Thomason**, Yonatan Bisk, and Siddhartha Srinivasa. *Intelligent Robots and Systems*, 2019. IROS
16. Augmenting Knowledge through Statistical, Goal-oriented Human-Robot Dialog. Saeid Amiri, Sujay Bajracharya, Cihangir Goktolga, **Jesse Thomason**, and Shiqi Zhang. *Intelligent Robots and Systems*, 2019. IROS
15. Shifting the Baseline: Single Modality Performance on Visual Navigation & QA. **Jesse Thomason**, Daniel Gordon, and Yonatan Bisk. *North American Chapter of the Association for Computational Linguistics*, 2019. NAACL
14. Improving Grounded Natural Language Understanding through Human-Robot Dialog. **Jesse Thomason**, Aishwarya Padmakumar, Jivko Sinapov, Nick Walker, Yuqian Jiang, Harel Yedidsion, Justin Hart, Peter Stone, and Raymond J. Mooney. *International Conference on Robotics and Automation*, 2019. ICRA
13. Prospection: Interpretable Plans From Language By Predicting the Future. Chris Paxton, Yonatan Bisk, **Jesse Thomason**, Arunkumar Byravan, and Dieter Fox. *International Conference on Robotics and Automation*, 2019. ICRA
12. Multi-modal Predicate Identification using Dynamically Learned Robot Controllers. Saeid Amiri, Suhua Wei, Shiqi Zhang, Jivko Sinapov, **Jesse Thomason**, and Peter Stone. *International Joint Conference on Artificial Intelligence*, 2018. IJCAI
11. Guiding Exploratory Behaviors for Multi-Modal Grounding of Linguistic Descriptions. **Jesse Thomason**, Jivko Sinapov, Raymond J. Mooney, and Peter Stone. *Conference on Artificial Intelligence*, 2018. AAAI
10. Maximum-Variance Total Variation Denoising for Interpretable Spatial Smoothing. Wesley Tansey, **Jesse Thomason**, and James G. Scott. *Conference on Artificial Intelligence*, 2018. AAAI
9. Opportunistic Active Learning for Grounding Natural Language Descriptions. **Jesse Thomason**, Aishwarya Padmakumar, Jivko Sinapov, Justin Hart, Peter Stone, and Raymond J. Mooney. *Conference on Robot Learning*, 2017. CoRL

8. Improving Black-box Speech Recognition using Semantic Parsing. Rodolfo Corona, **Jesse Thomason**, and Raymond J. Mooney. *International Joint Conference on Natural Language Processing*, 2017. IJCNLP
7. Multi-Modal Word Synset Induction. **Jesse Thomason** and Raymond J. Mooney. *International Joint Conference on Artificial Intelligence*, 2017. IJCAI
6. Integrated Learning of Dialog Strategies and Semantic Parsing. Aishwarya Padmakumar, **Jesse Thomason**, and Raymond J. Mooney. *European Chapter of the Association for Computational Linguistics*, 2017. EACL
5. Learning Multi-Modal Grounded Linguistic Semantics by Playing "I Spy". **Jesse Thomason**, Jivko Sinapov, Maxwell Svetlik, Peter Stone, and Raymond J. Mooney. *International Joint Conference on Artificial Intelligence*, 2016. IJCAI
4. Learning to Interpret Natural Language Commands through Human-Robot Dialog. **Jesse Thomason**, Shiqi Zhang, Raymond J. Mooney, and Peter Stone. *International Joint Conference on Artificial Intelligence*, 2015. IJCAI
3. Integrating Language and Vision to Generate Natural Language Descriptions of Videos in the Wild. **Jesse Thomason**, Subhashini Venugopalan, Sergio Guadarrama, Kate Saenko, and Raymond J. Mooney. *Conference on Computational Linguistics*, 2014. COLING
2. Prosodic Entrainment and Tutoring Dialogue Success. **Jesse Thomason**, Huy Nguyen, and Diane Litman. *Artificial Intelligence in Education*, 2013. AIED
1. Differences in User Responses to a Wizard-of-Oz versus Automated System. **Jesse Thomason** and Diane Litman. *North American Chapter of the Association for Computational Linguistics*, 2013. NAACL

Refereed Workshop Papers (13)

13. RobotFleet: An Open-Source Framework for Centralized Multi-Robot Task Planning. Rohan Gupta, Trevor Asbery, Zain Merchant, Abrar Anwar, and **Jesse Thomason**. *Workshop on Scalable and Resilient Multi-Robot Systems*, 2025. RSS
12. M3PT: A Transformer for Multimodal, Multi-Party Social Signal Prediction with Person-aware Blockwise Attention. Yiming Tang, Abrar Anwar, and **Jesse Thomason**. *The 2nd Workshop on Nonverbal Cues for Human-Robot Cooperative Intelligence*, 2025. ICRA
**Best Paper Award*
11. TwoStep: Multi-agent Task Planning using Classical Planners and Large Language Models. David Bai, Ishika Singh, David Traum, and **Jesse Thomason**. *Workshop on Language and Semantics of Task and Motion Planning*, 2025. ICRA
10. Evaluating Creativity and Deception in Large Language Models: A Simulation Framework for Multi-Agent Balderdash. Parsa Hejabi, Elnaz Rahmati, Alireza S. Ziabari, Preni Golazizian, **Jesse Thomason**, and Morteza Dehghani. *Wordplay: When Language Meets Games*, 2024. ACL
9. Generating Contextually-Relevant Navigation Instructions for Blind and Low Vision People. Zain Merchant, Abrar Anwar, Emily Wang, Souti Chattopadhyay, and **Jesse Thomason**. *Interactive AI for Human-Centered Robotics (InterAI) Workshop*, 2024. Ro-MAN
**Best Paper Award (2nd Place)*
8. WinoViz: Probing Visual Properties of Objects Under Different States. Woojeong Jin, Tejas Srinivasan, **Jesse Thomason**, and Xiang Ren. *Workshop on Secure and Trustworthy Large Language Models (SeT LLM)*, 2024. ICLR
7. Exploring Strategies for Efficient Real-World VLN Evaluation. Abrar Anwar, Rohan Gupta, Elle Szabo, and **Jesse Thomason**. *Workshop on Language and Robot Learning (LangRob)*, 2023. CoRL

6. Does VLN Pretraining Work with Nonsensical or Irrelevant Instructions?. Wang Bill Zhu, Ishika Singh, Yuan Huang, Robin Jia, and **Jesse Thomason**. *Workshop on Open-Domain Reasoning Under Multi-Modal Settings (ODRUM)*, 2023. CVPR
5. Curriculum Learning for Data-Efficient Vision-Language Alignment. Tejas Srinivasan, Xiang Ren, and **Jesse Thomason**. *Workshop on Open-Domain Reasoning Under Multi-Modal Settings (ODRUM)*, 2023. CVPR
4. CLIP-Nav: Using CLIP for Zero-Shot Vision-and-Language Navigation. Vishnu Sashank Dorbala, Gunnar Sigurdsson, Robinson Piramuthu, **Jesse Thomason**, and Gaurav Sukhatme. *Workshop on Language and Robot Learning (LangRob)*, 2022. CoRL
3. LUMINOUS: Indoor Scene Generation for Embodied AI Challenges. Yizhou Zhao, Kaixiang Lin, Zhiwei Jia, Qiaozi Gao, Govind Thattai, **Jesse Thomason**, and Gaurav Sukhatme. *Controllable Generative Modeling in Language and Vision (CtrlGen) Workshop*, 2021. NeurIPS
2. Embodied BERT: A Transformer Model for Embodied, Language-guided Visual Task Completion. Alessandro Suglia, Qiaozi Gao, **Jesse Thomason**, Govind Thattai, and Gaurav Sukhatme. *Novel Ideas in Learning-to-Learn through Interaction (NILLI) Workshop*, 2021. EMNLP
1. Interaction and Autonomy in RoboCup@Home and Building-Wide Intelligence. Justin Hart, Harel Yedidsion, Yuqian Jiang, Nick Walker, Rishi Shah, **Jesse Thomason**, Aishwarya Padmakumar, Rolando Fernandez, Jivko Sinapov, Raymond J. Mooney, and Peter Stone. *AI-HRI AAAI Fall Symposium Series*, 2018. AAAI

Thesis Work (2)

2. Continually Improving Grounded Natural Language Understanding through Human-Robot Dialog. **Jesse Thomason**. *Department of Computer Science, The University of Texas at Austin*, 2018. Thesis
1. Continuously Improving Natural Language Understanding for Robotic Systems through Semantic Parsing, Dialog, and Multi-modal Perception. **Jesse Thomason**. *Doctoral Dissertation Proposal*, 2016. Thesis

INVITED TALKS

Invited Summit, Workshop, and Industry Talks

- Large Foundation Model for Interactive Robot Learning Workshop — RSS'25
- Workshop on Semantic Reasoning and Goal Understanding in Robotics — RSS'25
- Workshop on Language and Robot Learning — CoRL'24
- Summit on Responsible Computing, AI, and Society @ Georgia Tech — 2024
- Human-Robot Interaction for Wellbeing Workshop — RO-MAN'24
- Shonan Meeting on Intelligent Interaction with Autonomous Assistants in the Wild — 2024
- Berggruen Institute: Embodiment & Intelligence Salon and Workshop — 2024
- 6th Robot Learning Workshop — NeurIPS'23
- Workshop on Interactive Learning with Implicit Human Feedback — ICLM'23
- Workshop on NLP for Conversational AI — ACL'20
- Visually Grounded Interaction and Language (ViGIL) Workshop — NeurIPS'19
- Semantic Policy and Action Representations for Autonomous Robots (SPAR) Workshop — IROS-19
- Microsoft Research — 2019

Selected Invited Colloquium Talks and Seminar Lectures

- CSCI 544: Natural Language Processing; Guest Lecture for instructor Robin Jia — Spring 2026
- UT Austin Forum for Artificial Intelligence — 2025
- Penn NLP Computational Linguistics lunch — 2025
- Utah Robotics Center Seminar — 2024

- CMU LTI Colloquium 2023
- UT Austin; CS 395T: Grounded Natural Language Processing 2022
- USC/ISI NL Seminar 2021
- UPenn; CIS700 2020
- Stanford NLP Seminar 2020
- UPitt; CS3730 2020
- Princeton; COS 598C 2020
- Utah Robotics Center Seminar 2019

SERVICE

Journal Editor

- **Action Editor**: Transactions of the Association for Computational Linguistics (TACL) 2025–6
- **Guest Editor**: Robotics and Autonomous Systems Special Issue: Semantic Policy and Action Representations for Autonomous Robots 2021–2

Conference Organization / Senior Area Chair / Area Chair

- **Session Chair**: AAAI-26—Natural Language Processing
- **Area Chair**: CoLM-26, CoLM-25
- **Associate Editor**: ROMAN-26
- **Area Chair**: AAAI-26
- **Area Chair**: EMNLP-25—Language Grounding to Vision, Robotics and Beyond
- **Session Chair**: RSS-25—Vision Language Action (VLA) Models
- **Area Chair**: RSS-25
- **Senior Area Chair**: NAACL-25—Multimodality and Language Grounding to Vision, Robotics and Beyond
- **Senior Area Chair**: EMNLP-24—Multimodality and Language Grounding to Vision, Robotics and Beyond
- **Workshops and Tutorials Co-Chair**: IEEE RO-MAN 2024
- **Area Chair**: CoLM-24
- **Area Chair**: ACL-24—Language Grounding to Vision, Robotics and Beyond
- **Area Chair**: NAACL-24—Language Grounding to Vision, Robotics and Beyond
- **Publication Chair**: ACL-23
- **Organizer**: Workshop on Language and Robot Learning (LangRob) at CoRL-22
- **Senior Area Chair**: EMNLP-22—Speech, Vision, Robotics, Multimodal Grounding
- **Area Chair**: COLING-22—Multimodal and Grounded Language Acquisition, HRI
- **Session Chair**: NAACL-22—6A: Language Grounding to Vision 2
- **Organizer**: Semantic Policy and Action Representations for Autonomous Robots (SPAR) Workshop at IROS-21
- **Area Chair**: AKBC-21—Computer Vision
- **Area Chair**: ACL-IJCNLP-21—Language Grounding to Vision, Robotics and Beyond
- **Area Chair**: NAACL-21—Language Grounding to Vision, Robotics and Beyond
- **Area Chair**: IJCAI-21
- **Organizer**: Embodied Vision, Actions & Language Workshop (EVAL) at ECCV-20
- **Area Chair**: ACL-20—Language Grounding to Vision, Robotics and Beyond
- **Organizer**: First Workshop on Advances in Language and Vision Research (ALVR) at ACL-20
- **Co-Chair**: Combined Workshop on Spatial Language Understanding (SpLU) and Grounded Communication for Robotics (RoboNLP) at NAACL-19
- **Co-Chair**: Special Session on Physically Situated Dialog (RoboDIAL) at SIGDIAL-18
- **Organizer**: Workshop on Communicating with Robots Naturally (CWRN) at RSS-18

Journal Reviewing

- The International Journal of Robotics Research (IJRR) — 1 article; 24
- IEEE Robotics and Automation Letters (RA-L) — 3 articles; 22-23
- Transactions of the Association for Computational Linguistics (TACL) — 1 article; 21
- RSS 2021 Special Issue — 1 article
- IEEE Transactions on Robotics (T-RO) — 1 article
- Computational Linguistics (CL) — 2 articles
- Elsevier Journal of Artificial Intillengence (AIJ) — 1 article
- Springer Autonomous Agents and Multi-Agent Systems (AGNT) — 1 article
- ACM Transactions on Interactive Intelligent Systems (TiiS) — 1 article
- Springer Autonomous Robots (AURO) — 1 article

Conference Reviewing — *Service Years*

- European Conference on Computer Vision (ECCV) — 26
- Robotics: Science and Systems (RSS) Workshop Proposals — 26
- International Conference on Machine Learning (ICML) — 19, *26
  Recognized as "Gold" Technical Reviewer
- Computer Vision and Pattern Recognition (CVPR) — 22-23, 26
- Robotics: Science and Systems (RSS) — 17-18, 21, 26
- European Chapter of the Association for Computational Linguistics (EACL) — 21, 26
- Human-Robot Interaction (HRI) — 18, 22, 26
- International Conference on Robotics and Automation (ICRA) — 21, 23-24, 26
- Winter Conference on Applications of Computer Vision (WACV) — 26
- Conference on Robot Learning (CoRL) — 18-21, 25
- Robotics: Science and Systems (RSS) Pioneers; senior reviewer — 25
- International Conference on Intelligent Robots and Systems (IROS) — 18-19, 21, 24
- Association for Computational Linguistics (ACL) — 18-19, 24
- North American Chapter of the Association for Computational Linguistics (NAACL) — 16, 19, 24
- NeurIPS Datasets & Benchmarks — 22
- ACL Rolling Review – off cycle — 9 submissions
- International Conference on Learning Representations (ICLR) — 21
- Empirical Methods in Natural Language Processing (EMNLP) — 17-20
- Conference on Computational Natural Language Learning (CoNLL) — 19
- Advances in Neural Information Processing Systems (NeurIPS) — 17, *19
  *Top 50% of reviewers.
- International Symposium on Robot and Human Interactive Communication (RO-MAN) — 19
- Autonomous Agents and Multi-Agent Systems (AAMAS) — 15-16, 19
- International Conference on Computational Linguistics (COLING) — 18
- International Joint Conference on Artificial Intelligence (IJCAI) — 17

Workshop Reviewing

- Dialog System Technology Challenge 9 (DSTC9) — AAAI'21
- Human in the Loop Dialogue Systems (HLDS) — NeurIPS'20
- Spatial Language Understanding (SpLU) — EMNLP'20
- Language in Reinforcement Learning (LaReL) — ICML'20
- Language Grounding for Robotics (RoboNLP) — ACL'17

Service to the USC CS Department

- Member, PhD Fellowship Committee — Spring'25
- Member, CS DEI Committee — Fall'24–Spring'25
- Member, Teaching Faculty Promotion Committee — Spring'23
- Member, CS DEI Committee — Fall'22–Spring'23

- Chair, Area 1 (AI) PhD fellowship committee — Fall'22–Spring'23
- Member, Engineering Faculty Council — Fall'22
- Member, Area 1 (AI) PhD fellowship committee — Fall'21–Spring'22
- Member, Area 4 (Robotics) PhD fellowship committee — Fall'21–Spring'22