Contact	246 Gates Computer Science Building 353 Jane Stanford Way, Stanford, CA 94305 +1 (949) 929-3559 dorsa@cs.stanford.edu	https://dorsa.fyi https://github.com/Stanford-ILIAD
Current Position	<b>Stanford University</b> Assistant Professor Department of Computer Science and Depart	September 2017 - present tment of Electrical Engineering
	<b>Google DeepMind, Robotics Team</b> Research Scientist	July 2022 - present
Education	<b>University of California, Berkeley</b> Ph.D. in Electrical Engineering and Compute Advisors: Sanjit Seshia and Shankar Sastry Thesis: <i>Safe and Interactive Autonomy: Con</i>	
	<b>University of California, Berkeley</b> B.S. in Electrical Engineering and Computer	2012 Sciences
Awards	Best Paper Award (Finalist) Robotics: Science and Systems (RSS) for "I for Robotics"	<b>2023</b> Language-Driven Representation Learning
	ONR Young Investigator Program Av	vard 2022
	DARPA Young Faculty Award	2022
	IEEE RAS Early Career Award	2022
	Sloan Foundation Fellowship	2022
	Okawa Foundation Research Grant	2021
	MIT TR35	2021
	JP Morgan Faculty Award	2021-22
	AFOSR Young Investigator Program	Award 2020
	<b>Best Paper Award</b> Conference on Robot Learning (CoRL) for <i>fluence Multi-Agent Interaction</i> "	<b>2020</b> "Learning Latent Representations to In-
	<b>Best Student Paper Award (Finalist)</b> Robotics: Science and Systems (RSS) for <i>Actions</i> "	<b>2020</b> "Shared Autonomy with Learned Latent
	IEEE TC-CPS Early Career Award	2020

	Best Paper Award (Honorable Mention) ACM/IEEE International Conference on Human-Robot Interaction (HRI) for Humans Aren't Optimal: Robots that Collaborate with Risk-Aware Humans"	<b>2020</b> : "When
	National Science Foundation CAREER Award	2020
	Gilbreth Lecturer at National Academy of Engineering	2020
	Google Faculty Research Award	2020
	Amazon Research Award	2019
	Best Paper Award (Finalist) European Control Conference (ECC), for "Human-Robot Interaction for Tr tooning Using Hierarchical Dynamic Games"	<b>2019</b> uck Pla-
	Best Paper Award ICML Workshop on Adaptive & Multitask Learning: Algorithms & Syste "Continual Adaptation for Efficient Machine Communication"	<b>2019</b> ems, for
	Best Cognitive Robotics Paper (Finalist) IEEE/RSJ International Conference on Intelligent Robots and Systems (IR "Information Gathering Actions over Human Internal State"	<b>2016</b> ROS) for
	Leon O. Chua Award for excellence in non-linear science, EECS Department, UC Berkeley 2016	2016
	Google Anita Borg Scholarship	2016
	National Defense Science and Engineering Graduate Fellowship	2013
	National Science Foundation Graduate Research Fellowship	2013
	CRA Outstanding Undergraduate Researcher Award	2012
	Arthur M. Hopkin Award EECS Department, UC Berkeley	2010
Teaching	CS 237B: Robot Autonomy II Winter 2020 Instructor, Stanford University.	- 2023
	CS 221: Artificial Intelligence Spring 2018, 2019, Fall 201 Instructor, Stanford University.	19-2022
	CS 521: Seminar on AI Safety Spring 201 Instructor, Stanford University.	8, 2020
	CS 333: Safe and Interactive Robotics Fall 2017, 2018, Winter Instructor, Stanford University.	er 2022
Advising & Mentoring	Current Graduate Students Minae Kwon, Siddhartha Karamcheti (co-advised with Percy Liang), Andy S advised with Stefano Ermon), Suneel Belkhale, Megha Srivastava (co-advised w Boneh), Jennifer Grannen, Priya Sundaresan (co-advised with Jeannette Boh Hejna, Suvir Mirchandani, Hengyuan Hu, Jensen Gao, Jonathan Yang (co-advised Chelsea Finn)	vith Dan g), Joey
	<b>Current Postdoctoral Students</b> Yuchen Cui	

Yuchen Cui

#### **Past Graduate Students**

Erdem Bıyık – Thesis: Learning Preferences for Interactive Autonomy (Starting as an Assistant Prof. in Computer Science at USC)

Zhangjie Cao – Thesis: Learning from Imperfect Demonstrations (Quant Research at JQinvestments, China)

Mengxi Li – Thesis: Learning to Adapt for Intelligent Robot Behavior (Quant Research at Citadel Securities)

#### **Past Postdoctoral Students**

Dylan Losey (Assistant Prof. in Mechanical Engineering at Virginia Tech)

#### Past Undergraduate Students

Nick Landolfi (Ph.D. student in CS at Stanford), Zhiyang He (Ph.D. student in EECS at UC Berkeley), Zheqing Zhu (Ph.D. student in MS&E at Stanford), Jovana Kondik (Ph.D. student in EECS at MIT), Songyuan Zhang (Ph.D. student in EECS at MIT), Albert Zhai (Ph.D. student in CS at UIUC), Woody Wang (Ph.D. student in CS at Stanford), Suvir Mirchandani (Ph.D. student in CS at Stanford), Vivek Myers (PhD. student in EECS at UC Berkeley), Zihan Wang (Ph.D. student in CS at UW), Yilun Hao (Ph.D. student in AA at MIT), Yilin Wu (Ph.D. student in RI at CMU), Lorenzo Shaikewitz (Ph.D. student in MechE at MIT).

## OutreachStanford CS Mentorship Program2018 - presentI have organized the Stanford CS mentorship program, where we connect underrep-

I have organized the Stanford CS mentorship program, where we connect underrepresented minorities and female undergraduate students interested in AI with Ph.D. students at Stanford to meet monthly and discuss research and career choices.

#### Faculty Mentor for Stanford Robotics Club

I mentor the Stanford undergraduate Robotics Club. Every year they work towards participating in a robotics competition. They have won the third place in the University Rover Challenge in 2019.

# Faculty Mentor for Inclusion in AI2018 - presentI mentor the Stanford AI Lab graduate group "Inclusion in AI". The group holdsregular social and networking events for Stanford AI Lab graduate students.

#### Talks at Women and Inclusion in STEM events and panels

AI4ALL summer program, Girls Who Code summer program, Gender in Robotics Workshop at Stanford, Berkeley-Stanford Meetup, Rising Stars (EECS) of 2018, Rising Stars (Mechanical Engineering) of 2019, Inclusion in AI.

#### Talks at Graduate and Undergraduate Student Groups

Undergrad CS Women (WiCS), Grad Engineering Women (SWE), SAIL (Stanford AI Lab women), Women in Electrical Engineering, Women in Aero/Astro, Fire-Side chat with Stanford Undergrads.

#### EEGSA Outreach Member

#### 2012 - 2017

2017 - 2020

Visiting local K-12 schools and presenting engineering projects and demonstrations.

#### WICSE Outreach Coordinator

2014 - 2015

Organizing events and outreach activities aiming young girls involvements in STEM.

Work Experience	Microsoft Research, Redmond June - August 2015 Internship at the Adaptive Systems and Interaction group with Ashish Kapoor and Eric Horvitz.
	Stanford Research Institute, InternationalJune - August 2013Internship at the Computer Science Laboratory in the formal methods group with Ashish Tiwari.
Professional Activities	General Chair2024Conference on Robot Learning
	Workshop Organizer2022Conference on Robot Learning
	Program Co-Chair2018 - 2022Bay Area Robotics Symposium
	Program Co-Chair2022Workshop on Algorithmic Foundations of Robotics (WAFR)
	Award Committee2021Conference on Robot Learning
	Publicity Chair       2021         ACM International Conference on Hybrid Systems: Computation and Control
	AAAI ACM SIGAI Dissertation Award Committee 2020, 2021
	Vice President for Publications in IEEE Robotics and Automation Society 2021
	DARPA Information Science and Technology (ISAT) Study Group Committee Member 2021
	Center for AI Safety at Stanford 2018 - 2022 Founding member of the Center for AI Safety at Stanford along with Mykel Kochen- derfer, Clark Barrett, and David Dill. The center is focused on safety and verification issues for AI and machine learning systems.
	Human-Centered AI Institute (HAI)2018 - presentMember of the design committee of Human-Centered AI Institute at Stanford. In addition I have been part of the HAI Ethical Review Board (ERB) committee.
	<b>Program Committee (Associate Editor, Area Chair)</b> RSS 2022, RA-L 2021, CoRL 2021-2020, RSS 2020, HRI 2020, HRI 2022, L4DC 2020, CAV 2019, HSCC 2019, CoRL 2018, ICRA 2018, HSCC Repeatability Eval 2016.
	<ul> <li>External Reviewer for Conferences, Journals, and Grant Panels</li> <li>Robotics: RA-L, RSS, CoRL, WAFR, ICRA, HRI, TASE, ACM TECS</li> <li>Control Theory: HSCC, CDC, ACC, TCST</li> <li>Formal Methods: CAV, FM, HVC, VMCAI</li> <li>NSF and AFOSR Proposal Panelist and Reviewer</li> </ul>

Invited	Keynote – International Conference on Computer Vision (ICCV)	2023
Talks	Plenary – IEEE Conference on Decision and Control (CDC)	2023
	ICML Workshop on Interactive Learning with Implicit Human Fee 2023	dback
	ICML Workshop on The Many Facets of Preference-Based Learning	2023
	RSS Workshop on Articulate Robots: Utilizing Language for Robot I ing	2023
	RSS Workshop on Multi-Robot Planning and Navigation in Challe Environments	enging 2023
	RSS Workshop on Towards Safe Autonomy: New Challenges and Tree Robot Perception	n <b>ds in</b> 2023
	CVPR Workshop on Secure and Safe Autonomous Driving	2023
	Plenary – Center for Human-Compatible AI (CHAI) Conference	2023
	ICRA Workshop on Pretraining for Robotics	2023
	ICRA Workshop on Life-Long Learning with Human Help	2023
	ICRA Workshop on Communicating Robot Learning Across Human-I Interaction	<b>Robot</b> 2023
	MIT Robotics Seminar	2023
	Princeton Robotics Seminar	2023
	HRI Workshop on Lifelong Learning and Personalization in Long- Human-Robot Interaction	• <b>Term</b> 2023
	CMU Robotics Institute Seminar	2023
	AAAI Workshop on Reinforcement Learning Ready for Production	2023
	NeurIPS Workshop on Language and Reinforcement Learning	2022
	NeurIPS Workshop on Human in the Loop Learning	2022
	NeurIPS Workshop on Foundation Models for Decision Making	2022
	NeurIPS Workshop on Offline Reinforcement Learning	2022
	NeurIPS Workshop on Machine Learning Safety	2022
	NeurIPS Workshop on Trustworthy and Socially Responsible Machine ing	<b>Learn-</b> 2022
	Johns Hopkins University – MINDS and CIS Seminar Series	2022

IROS Workshop on Artificial Intelligence for Social Robots Interacting Humans in the Real World	<b>y with</b> 2022
University of Maryland, Foundations of Deep Learning Seminar	2022
AI Distinguished Lecture - Argonne National Lab	2022
Keynote – International Symposium of Robotic Research (ISRR)	2022
ICML Tutorial on Learning for Interactive Agents	2022
CVPR Workshop on Artificial Social Intelligence Workshop	2022
Stockholm Workshop on Emerging Topics in Systems and Control	2022
ICRA Workshop on Shared Autonomy in Physical Human-Robot Interac- tion: Adaptability and Trust 2022	
ICRA Workshop on Intelligent Control Methods and Machine Lea Algorithms for Human-Robot Interaction and Assistive Robotics	<b>rning</b> 2022
Simons Institute Learning and Games Workshop	2022
Cooperative AI Seminar	2022
UC Berkeley, Semiautonomous Seminar	2022
University of Toronto, Robotics Seminar	2022
AAAI Symposium on closing the assessment loop: communicating ciency and intent in human-robot teaming	<b>profi-</b> 2022
University of Waterloo, Artificial Intelligence Seminar	2022
HRI Workshop on Machine Learning in Human-Robot Collaboration	2022
HRI Workshop on Human Behavior Modeling	2022
University of Pennsylvania, GRASP Seminar	2021
NeurIPS Workshop on Robot Learning.	2021
NeurIPS Workshop on Cooperative AI.	2021
NeurIPS Workshop on Learning and Strategic Behavior.	2021
CDC Workshop on Aware Learning: How to Benefit from Priors.	2021
ETH/EPFL NCCR Automation Seminar.	2021
IROS Workshop on RL-CONFORM: Reinforcement Learning meets Control, and Formal Methods.	<b>HRI,</b> 2021
IROS Workshop on Multi-Agent and Relational Reasoning.	2021

ACL Workshop on Interactive Learning for NLP.	2021
RSS Workshop on Robotics for People.	2021
Berkeley Seminar on Multi-Agent Reinforcement Learning.	2021
ICML Workshop on Human-AI Collaboration in Sequential Decision ing.	<b>Mak-</b> 2021
CVPR Workshop on Autonomous Driving: Perception, Prediction Planning.	n <b>and</b> 2021
Center for Human-Compatible AI Workshop.	2021
ICRA Workshop on Robot-Assisted Systems for Medical Training.	2021
ICRA Workshop on Social Intelligence in Humans and Robots.	2021
SRI Summer School on Formal Techniques.	2021
ACC Workshop on Bridging the Gap in Autonomous Vehicle Contr Mixed Traffic.	ols in 2021
ACC Workshop on Recent Advancement of Human Autonomy Intera and Integration.	action 2021
Computer Science Department Seminar, Yale.	2021
Computational Sensorimotor Learning Seminar, MIT.	2021
Center for Human-Compatible AI Seminar, UC Berkeley.	2021
ICLR Workshop on Responsible AI.	2021
RPI Department Seminar.	2021
Control Meets Learning Seminar, Caltech.	2021
AAAI Workshop on Plan, Activity, and Intent Recognition.	2021
Human-Centered AI Institute Seminar.	2021
Keynote – Conference on Robot Learning (CoRL) Walking the Boundary of Learning and Interaction	2020
NeurIPS Workshop on Robot Learning. – " –.	2020
National Canadian Robotics Network (NCRN) Seminar. – " –.	2020
Distinguished Voices – National Academies of Sciences, Engineering Medicine A Human-Centered Perspective on Interactive Robotics	<b>g, and</b> 2020

Panelist – AI Ethics Conference at Interdisciplinary Research Center in

the Arts, Humanities, and Interpretive Social Sciences at Duke Kunshan University 2020

IPAM Workshop on Individual Vehicle Autonomy: Perception and Control. Interaction-Aware Planning: A Human-Centered Approach toward Autonomous Driving. 2020

Keynote – 1st Colloquium on AI for Architecture, Engineering, and Construction 2020

ICML Workshop on Real-World Experiment Design & Active Learning. Active Learning of Robot Reward Functions. 2020

**RSS Workshop on Interaction and Decision-Making in Autonomous-Driving.** When our Human Modeling Assumptions Fail: Planning, learning, and prediction in near-accident driving scenarios. 2020

### RSS Workshop on Power-On-and-Go Robots: Out-of-the-Box Systems for Real-World Applications.

To Ignore Humans or to Accept them with Open Arms: Challenges and Opportunities for Efficient, Robust, and Adaptive POGO Robots. 2020

RSS Workshop on AI & Its Alternatives in Assistive & Collaborative Ro Decoding Intent. The Role of Learned Representations in Assistive Teleoperation.	2020
Keynote – 22nd ACM International Conference on Hybrid Systems: oputation and Control (HSCC).	
Human-CPS from the Lens of Learning and Control. Keynote – Center for Human-Compatible AI Workshop. – " –.	2020 2020
John Hopkins, Applied Physics Lab Seminar. – " –.	2020
<b>ICRA Workshop on Long-Term Human Motion Prediction.</b> When our Human Modeling Assumptions Fail: The effects of risk, conventions, and non-stationarity on long-term human-robot interaction.	2020
NASA Formal Methods, AI Safety Workshop. Risk-Aware Human Modeling.	2020
IPAM Workshop on Intersections between Control, Learning, and Optimization.	
Beyond Theory of Mind: Learning & Influencing Conventions.	2020
Gilbreth Lecture, National Academy of Engineering. Influencing Interactions in Autonomous Driving.	2020
Keynote – Formal Methods in Computer-Aided Design (FMCAD). A journey about Safety of Autonomous Systems.	2019
Frontiers of Engineering, National Academy of Engineering. Influencing Interactions in Autonomous Driving.	2019

RSS Workshop on Safe Autonomy. –"–.	2019	
First Conference on Learning for Dynamics and Control. Influencing Interactive Mixed-Autonomy Systems.	2019	
ICML Workshop on AI for Autonomous Driving. –"–.	2019	
MIT, Department Seminar. Interactive Autonomy: Learning and Control for Human-Robot Systems.	2019	
University of Washington, Department Seminar. –"–.	2019	
Cornell, Department Seminar. –"–.	2019	
CalTech, IST Seminar. –"–.	2019	
USC, CPS Seminar. –"–.	2019	
University of Maryland, Robotics Seminar. –"–.	2019	
Theoretical Machine Learning Simons Foundation Workshop. –"–.	2019	
Schloss Dagstuhl on Verification and Synthesis for Human-Robot Interac-		
tion. Reward Functions and Specifications	2019	
NeurIPS Workshop on Imitation Learning and its Challenges in Robotics.Active Learning of Humans' Preferences.2018		
UAI Workshop on Safety, Risk and Uncertainty in RL. –"–.	2018	
UC Berkeley, Center for Human Compatible AI. –"–.	2018	
NeurIPS Workshop on Machine Learning for Intelligent Transportation Systems.tems. Beating Congestion using Autonomous Cars.2018		
Halmstad University. Reactive Synthesis and Human Modeling for Human-Robot Systems.	2018	
University of Washington, Robotics Seminar. Safe and Interactive Rol 2018	potics.	
UC Santa Barbara, Robotics Seminar. –"–.	2018	
UC Santa Cruz, Robotics Seminar. –"–.	2018	
Chinese University of Hong Kong in Shenzhen. –"–.	2018	
<b>Stanford University, Department Seminar</b> . Towards a Theory of Safe and Interactive Autonomy.	2017	
MIT, Department Seminar. –"–.	2017	
UC Berkeley, Department Seminar. –"–.	2017	

	CMU, Department Seminar. –"–.	2017
	Princeton, Department Seminar. –"–.	2017
	USC, Department Seminar. –"–.	2017
	Cornell, Department Seminar. –"–.	2017
	UC San Diego, Department Seminar. –"–.	2017
	UC Los Angeles, Department Seminar. –"–.	2017
	University of Michigan, Department Seminar. –"–.	2017
	UT Austin, Department Seminar. –"–.	2017
	Georgia Tech, Department Seminar. –"–.	2017
	University of Pennsylvania, Department Seminar. –"–.	2017
	Schloss Dagstuhl on Machine Learning and Formal Methods. Planning for Cars that Coordinate with People.	2017
	Schloss Dagstuhl on Non-Zero-Sum-Games and Control. Correctness and Control for Human-Cyber-Physical Systems.	2015
	Microsoft Research, Redmond. Controller Synthesis for Human-in-the-Loop Systems	2014
Publications	[124] Erdem Bıyık, Nicolas Huynh, Mykel Kochenderfer, Dorsa Sadigh. Active Pr Based Gaussian Process Regression for Reward Learning and Optimization. <i>T</i> ternational Journal of Robotics Research (IJRR), 2023.	
	[123] Joey Hejna, Dorsa Sadigh. Inverse Preference Learning: Preference-bas without a Reward Function. Conference on Neural Information Processing S (NeurIPS), 2023.	
	[122] Suneel Belkhale, Yuchen Cui, Dorsa Sadigh. Data Quality in Imitation Lea Conference on Neural Information Processing Systems (NeurIPS), 2023.	arning.
	[121] Bidipta Sarkar, Andy Shih, Dorsa Sadigh. Diverse Conventions for Hun Collaboration. Conference on Neural Information Processing Systems (NeurIPS)	
	[120] Andy Shih, Suneel Belkhale, Stefano Ermon, Dorsa Sadigh, Nima Anari. F Sampling of Diffusion Models. <i>Conference on Neural Information Processing S</i> ( <i>NeurIPS</i> ), 2023. (Spotlight)	
	[119] Sumedh Anand Sontakke, Seb Arnold, Jesse Zhang, Karl Pertsch, Erdem Dorsa Sadigh, Chelsea Finn, Laurent Itti. RoboCLIP: One Demonstration is Eno Learn Robot Policies. <i>Conference on Neural Information Processing Systems (Ne 2023.</i>	ough to
	[118] Jennifer Grannen, Yilin Wu, Brandon Vu, Dorsa Sadigh. Stabilize to Act: ing to Coordinate for Bimanual Manipulation. <i>Conference on Robot Learning (C</i>	

#### 2023. (Oral Presentation)

[117] Suneel Belkhale, Yuchen Cui, Dorsa Sadigh. HYDRA: Hybrid Robot Actions for Imitation Learning. *Conference on Robot Learning (CoRL)*, 2023.

[116] Priya Sundaresan, Jiajun Wu, Dorsa Sadigh. Learning Sequential Acquisition Policies for Robot-Assisted Feeding. Conference on Robot Learning (CoRL), 2023.

[115] Li-Heng Lin, Yuchen Cui, Yilun Hao, Fei Xia, Dorsa Sadigh. Gesture-Informed Robot Assistance via Foundation Models. *Conference on Robot Learning (CoRL)*, 2023.

[114] Priya Sundaresan, Suneel Belkhale, Dorsa Sadigh, Jeannette Bohg. KITE: Keypoint-Conditioned Policies for Semantic Manipulation. *Conference on Robot Learning (CoRL)*, 2023.

[113] Suvir Mirchandani, Fei Xia, Pete Florence, brian ichter, Danny Driess, Montserrat Gonzalez Arenas, Kanishka Rao, Dorsa Sadigh, Andy Zeng. Large Language Models as General Pattern Machines. *Conference on Robot Learning (CoRL)*, 2023.

[112] Jonathan Heewon Yang, Dorsa Sadigh, Chelsea Finn. CRADLE: Embracing Variability in Cross-Embodiment Transfer. Conference on Robot Learning (CoRL), 2023.

[111] Allen Z. Ren, Anushri Dixit, Alexandra Bodrova, Sumeet Singh, Stephen Tu, Noah Brown, Peng Xu, Leila Takayama, Fei Xia, Jake Varley, Zhenjia Xu, Dorsa Sadigh, Andy Zeng, Anirudha Majumdar. Robots That Ask For Help: Uncertainty Alignment for Large Language Model Planners. *Conference on Robot Learning (CoRL)*, 2023. (Oral Presentation)

[110] Wenhao Yu, Nimrod Gileadi, Chuyuan Fu, Sean Kirmani, Kuang-Huei Lee, Montse Gonzalez Arenas, Hao-Tien Lewis Chiang, Tom Erez, Leonard Hasenclever, Jan Humplik, Brian Ichter, Ted Xiao, Peng Xu, Andy Zeng, Tingnan Zhang, Nicolas Heess, Dorsa Sadigh, Jie Tan, Yuval Tassa, Fei Xia. Language to Rewards for Robotic Skill Synthesis. Conference on Robot Learning (CoRL), 2023. (Oral Presentation)

[109] Tim Salzmann, Hao-Tien Chiang, Markus Ryll, Dorsa Sadigh, Carolina Parada, Alex Bewley. Robots That Can See: Leveraging Human Pose for Trajectory Prediction. *IEEE Robotics and Automation Letters (RA-L)*, 2023.

[108] Yilun Hao, Ruinan Wang, Zhangjie Cao, Zihan Wang, Yuchen Cui, Dorsa Sadigh. Masked Imitation Learning: Discovering Environment-Invariant Modalities in Multimodal Demonstrations. Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2023.

[107] Haoze Wu, Min Wu, Dorsa Sadigh, Clark Barrett. Soy: an Efficient MILP Solver for Piecewise-Affine Systems . Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2023.

[106] Hengyuan Hu, Dorsa Sadigh. Language Instructed Reinforcement Learning for Human-AI Coordination. The 40th International Conference on Machine Learning (ICML), 2023.

[105] Megha Srivasatava, Noah Goodman, Dorsa Sadigh. Generating Language Cor-

rections for Teaching Physical Control Tasks. The 40th International Conference on Machine Learning (ICML), 2023.

[104] Joey Hejna, Jensen Gao, Dorsa Sadigh. Distance Weighted Supervised Learning: Robust Learning From Offline Interaction Data. The 40th International Conference on Machine Learning (ICML), 2023.

[103] Andy Shih, Dorsa Sadigh, Stefano Ermon. Long Horizon Temperature Scaling. The 40th International Conference on Machine Learning (ICML), 2023.

[102] Siddharth Karamcheti, Suraj Nair, Annie Chen, Thomas Kollar, Chelsea Finn, Dorsa Sadigh, Percy Liang. Language-Driven Representation Learning for Robotics. Robotics: Science and Systems (RSS), 2023. (Best Paper Award, Finalist)

[101] Maximilian Du, Suraj Nair, Dorsa Sadigh, Chelsea Finn. Behavior Retrieval: Few-Shot Imitation Learning by Querying Unlabeled Datasets. *Robotics: Science and Systems (RSS), 2023.* 

[100] Minae Kwon, Sang Michael Xie, Kalesha Bullard, Dorsa Sadigh. Reward Design with Language Models. International Conference on Learning Representations (ICLR), 2023.

[99] Lorenzo Shaikewitz, Yilin Wu, Suneel Belkhale, Jennifer Grannen, Priya Sundaresan, Dorsa Sadigh. In-Mouth Robotic Bite Transfer with Visual and Haptic Sensing. International Conference on Robotics and Automation (ICRA), 2023.

[98] Mengxi Li, Rika Antonova, Dorsa Sadigh, Jeannette Bohg . Learning Tool Morphology for Contact-Rich Manipulation Tasks with Differentiable Simulation. International Conference on Robotics and Automation (ICRA), 2023.

[97] Vivek Myers, Erdem Biyik, Dorsa Sadigh. Asking Preference Questions Online in Active Reward Learning. International Conference on Robotics and Automation (ICRA), 2023.

[96] Yuchen Cui, Sidd Karamcheti, Raj Palleti, Nidhya Shivakumar, Percy Liang, Dorsa Sadigh. "No, to the Right" – Online Language Corrections for Robotic Manipulation via Shared Autonomy. ACM/IEEE International Conference on Human-Robot Interaction (HRI), 2023.

[95] Megha Srivastava, Erdem Biyik, Suvir Mirchandani, Noah Goodman, Dorsa Sadigh. Assistive Teaching of Motor Control Tasks to Humans. *Conference on Neural Information Processing Systems (NeurIPS)*, 2022.

[94] Andy Shih, Dorsa Sadigh, Stefano Ermon. Training and Inference on Any-Order Autoregressive Models the Right Way. *Conference on Neural Information Processing Systems (NeurIPS)*, 2022.(Oral Presentation)

[93] Priya Sundaresan, Suneel Belkhale, Dorsa Sadigh. Learning Visuo-Haptic Skewering Strategies for Robot-Assisted Feeding. *Conference on Robot Learning (CoRL)*, 2022. (Oral Presentation)

[92] Donald Joseph Hejna III, Dorsa Sadigh. Few-Shot Preference Learning for Humanin-the-Loop RL. Conference on Robot Learning (CoRL), 2022. [91] Kanishk Gandhi, Siddharth Karamcheti, Madeline Liao, Dorsa Sadigh. Eliciting Compatible Demonstrations for Multi-Human Imitation Learning. *Conference on Robot Learning (CoRL)*, 2022.

[90] Jennifer Grannen, Yilin Wu, Suneel Belkhale, Dorsa Sadigh. Learning Bimanual Scooping Policies for Food Acquisition. *Conference on Robot Learning (CoRL)*, 2022.

[89] Suneel Balkhale, Dorsa Sadigh. PLATO: Predicting Latent Affordances Through Object-Centric Play. Conference on Robot Learning (CoRL), 2022.

[88] Behrad Toghi, Rodolfo Valiente, Dorsa Sadigh, Ramtin Pedarsani, Yaser Fallah. Social Coordination and Altruism in Autonomous Driving. *IEEE Transactions on Intelligent Transportation Systems (T-ITS), 2022.* 

[87] Mark Beliaev, Andy Shih, Stefano Ermon, Dorsa Sadigh, Ramtin Pedarsani. Imitation Learning by Estimating Expertise of Demonstrators. The 39th International Conference on Machine Learning (ICML), 2022.

[86] Sanjit Seshia, Dorsa Sadigh, Shankar Sastry. Towards Verified Artificial Intelligence. Communications of the ACM, 2022.

[85] Erik Brockbank, Haoliang Wang, Justin Yang, Suvir Mirchandani, Erdem Biyik, Dorsa Sadigh, Judith Fan. How do People Incorporate Advice from Artificial Agents when Making Physical Judgments? *Cognitive Science Society Coneference (CogSci)*, 2022. (Oral Presentation)

[84] Suneel Belkhale, Ethan Kroll Gordon, Yuxiao Chen, Siddhartha Srinivasa, Tapomayukh Bhattacharjee, Dorsa Sadigh. Balancing Efficiency and Comfort in Robot-Assisted Bite Transfer. International Conference on Robotics and Automation (ICRA), 2022.

[83] Zhangjie Cao, Zihan Wang, Dorsa Sadigh. Learning from Imperfect Demonstrations via Adversarial Confidence Transfer. International Conference on Robotics and Automation (ICRA), 2022.

[82] Zihan Wang, Zhangjie Cao, Yilun Hao, Dorsa Sadigh. Weakly Supervised Correspondence Learning. International Conference on Robotics and Automation (ICRA), 2022.

[81] Zhangjie Cao, Erdem Biyik, Guy Rosman, Dorsa Sadigh. Leveraging Smooth Attention Prior for Multi-Agent Trajectory Prediction. International Conference on Robotics and Automation (ICRA), 2022.

[80] Andy Shih, Stefano Ermon, Dorsa Sadigh. Conditional Imitation Learning for Multi-Agent Games. ACM/IEEE International Conference on Human-Robot Interaction (HRI), 2022.

[79] Erdem Biyik, Aditi Talati, Dorsa Sadigh. APReL: A Library for Active Preferencebased Reward Learning Algorithms. ACM/IEEE International Conference on Human-Robot Interaction, Short Contributions (HRI), 2022.

[78] Erdem Biyik, Anusha Lalitha, Rajarshi Saha, Andrea Goldsmith, Dorsa Sadigh. Partner-Aware Algorithms in Decentralized Cooperative Bandit Teams. AAAI Conference on Artificial Intelligence (AAAI), 2022.

[77] Suvir Mirchandani, Siddharth Karamcheti, Dorsa Sadigh. ELLA: Exploration through Learned Language Abstraction. Conference on Neural Information Processing Systems (NeurIPS), 2021.

[76] Songyuan Zhang, Zhangjie Cao, Dorsa Sadigh, Yanan Sui. Confidence-Aware Imitation Learning from Demonstrations with Varying Optimality. *Conference on Neural Information Processing Systems (NeurIPS)*, 2021.

[75] Andy Shih, Dorsa Sadigh, Stefano Ermon. HyperSPNs: Compact and Expressive Probabilistic Circuits. Conference on Neural Information Processing Systems (NeurIPS), 2021.

[74] Shushman Choudhury, Jayesh Gupta, Mykel Kochenderfer, Dorsa Sadigh, Jeannette Bohg. Dynamic Multi-Robot Task Allocation under Uncertainty and Temporal Constraints. Journal of Autonomous Robots (AURO), September 2021.

[73] Woodrow Zhouyuan Wang, Andy Shih, Annie Xie, Dorsa Sadigh. Influencing Towards Stable Multi-Agent Interactions. *Conference on Robot Learning (CoRL)*, 2021. (Oral Presentation)

[72] Zhangjie Cao, Yilun Hao, Mengxi Li, Dorsa Sadigh. Learning Feasibility to Imitate Demonstrators with Different Dynamics. Conference on Robot Learning (CoRL), 2021.

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