Chelsea Finn

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Positions

Stanford University, Computer Science Department and Electrical Engineering Department, Assistant Professor — 2019 – present

Physical Intelligence, Co-Founder — 2024 – present

Google, LLC., DeepMind Team (formerly Google Brain), Research Scientist — 2018 – 2024

Education

University of California, Berkeley, PhD — 2014 – 2018
Thesis: *"Learning to Learn with Gradients"*.
Department of Electrical Engineering and Computer Science

Massachusetts Institute of Technology, Bachelor of Science — 2010 – 2014
Electrical Engineering and Computer Science

Honors and Awards

ICRA Best Paper Finalist — 2025
For *"RoboCrowd: Scaling Robot Data Collection through Crowdsourcing"*.

Presidential Early Career Award for Scientists and Engineers (PECASE) — 2025
Recognizes scientists and engineers who show exceptional potential for leadership early in their research careers.

CoRL Outstanding Paper Finalist — 2024
For *"OpenVLA: An Open-Source Vision-Language-Action Model"*.

CoRL Outstanding Paper Finalist — 2024
For *"HumanPlus: Humanoid Shadowing and Imitation from Humans"*.

Schmidt Sciences AI2050 Early Career Fellow — 2024
Awarded to 19 early career researchers in AI.

NeurIPS Outstanding Paper Runner Up — 2023
For *"Direct Preference Optimization: Your Language Model is Secretly a Reward Model"*.

ICRA Best Conference Paper — 2023
For *"Open X-Embodiment: Robotic Learning Datasets and RT-X"*.

Okawa Foundation Research Grant — 2023
Awarded to 7 US faculty members in the fields of information and telecommunications.

Stanford Tau Beta Pi Teaching Honor Role — 2023
Awarded to 12 Stanford faculty members who promote excellent teaching in the School of Engineering.

NSF CAREER Award — 2023
Supports early-career faculty who have the potential to serve as academic role models in research and education.

Alfred P. Sloan Research Fellowship 2023
Awarded to 22 early-career scholars in computer science in the US and Canada

IEEE RAS Early Academic Career Award in Robotics and Automation 2022
Awarded to two early-career academics for major impact on robotics & automation
For pioneering contributions in deep robotic learning, and their application to vision-based robotic manipulation

ONR Young Investigator Award 2021
Awarded to 38 early-career faculty

Samsung AI Researcher of the Year 2020
Awarded to five early-career researchers in AI worldwide

CoRL Best Paper Award 2020
For the paper *"Learning Latent Representations to Influence Multi-Agent Interaction"*

Intel Rising Star Faculty Award 2020
Awarded to ten early-career professors worldwide

Microsoft Faculty Fellowship Award 2020
Awarded to five early-career professors in North America

ACM Doctoral Dissertation Award 2019
Awarded to one doctoral dissertation in computer science and engineering, worldwide

MIT TR35 Innovator Award 2018
Awarded to 35 innovators under 35 worldwide

Rising Stars in EECS 2017
Awarded to 70 EECS graduate and postdoctoral women

C.V. Ramamoorthy Distinguished Research Award 2017
For outstanding contributions to a new research area in computer science and engineering

ICRA Best Cognitive Robotics Paper Finalist 2017
For the paper *"Deep Visual Foresight for Planning Robot Motion"*

Teaching

Instructor

Stanford CS224R: Deep Reinforcement Learning Spring 2023, Spring 2025

Stanford CS330: Deep Multi-Task and Meta Learning Fall 2019, Fall 2020, Fall 2021, Fall 2022, Fall 2023

Stanford CS221: Artificial Intelligence: Principles and Techniques Spring 2020, Spring 2021

Berkeley CS294-112: Deep Reinforcement Learning Spring 2017

Teaching Assistant

Berkeley CS188 Introduction to Artificial Intelligence Spring 2015

MIT 6.008 Introduction to Inference Spring 2014

MIT 6.141 Robotics: Science and Systems I Spring 2013

MIT 6.02 Digital Communication Systems Spring 2012

Invited Tutorials

Tutorial on Meta-Learning for Bridging Labeled and Unlabeled Data in Biomedicine Fall 2021
in Intelligent Systems for Molecular Biology/European Conference on Computational Biology.

Meta Reinforcement Learning Summer 2020
at the CIFAR Deep Learning & Reinforcement Learning Summer School.

Tutorial on Meta-Learning: from Few-Shot Learning to Rapid Reinforcement Learning Summer 2019
at the International Conference on Machine Learning (ICML).
at the Conference on Computer Vision and Pattern Recognition (CVPR).

Tutorial on Deep Visuomotor Learning Summer 2019
in Computational Vision Summer School, Freudenstadt.

Tutorial on Deep Visuomotor Learning Summer 2018
in International Computer Vision Summer School, Sicily.

Tutorial on Deep Reinforcement Learning, Decision Making, and Control Summer 2017
at the International Conference on Machine Learning (ICML).

Selected Invited Talks

What Robots Have Taught Me About Machine Learning.
International Conference on Machine Learning (ICML) Keynote. July 2024.

Learning from High-Level Supervision.
University of Washington NLP Seminar. April 2024.

Amending Moravec's Paradox: What's Hard in Robotics in the Age of Modern Machine Learning.
CoRL Conference Early Career Keynote. November 2023.

Generality and Dexterity in Robot Learning.
Massachusetts Institute of Technology. October 2023.
Boston Dynamics AI Institute. October 2023.
Bay Area Robotics Symposium. October 2023.

History and Future of Artificial Intelligence and Computer Vision.
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Plenary Panel. June 2023.

Why Robots Should Learn in the Real World.
International Conference on Robotics and Automation (ICRA) Keynote. May 2023.

Neural Networks Make Stuff Up. What Should We Do About It?.
Harvard Machine Learning Foundations Seminar. February 2023. *Women in Data Science Worldwide Virtual Conference*. September 2023.

How to Train Your Robot from Demonstrations.
University of Utah Robotics Seminar. February 2023.

How to Genearlize Your Robot.
CMU Robotics Institute Seminar. October 2022.

Ingredients for Developing Intelligent Robots.
Cognitive Computational Neuroscience (CCN) Conference Keynote. August 2022.

Robust Deep Networks through Invariance and Adaptation.
Korean Conference on Computer Vision (KCCV) Keynote. August 2022.

Distribution Shift as Underspecification: And What We Might Do About It.
Simons Institute Deep Learning Theory Workshop. August 2022.

Meta-Learning for Education.
AutoML Conference Keynote. July 2022.

Flexible Machine Learning for Mitigating Distribution Shift.
Machine Learning at Berkeley. April 2022.
Princeton AI Club. May 2022

Few-Shot Learning in the Real World: Meta-Learning for Giving Feedback to Students.
Beneficial AI Seminar, UC Berkeley Center for Human-Compatible AI (CHAI). August 2021.

Broad Robot Generalization by Reusing Broad Data.
ETH Zurich Distinguished Seminar in Robotics, Systems and Control. November 2021.
IROS Conference Keynote. October 2021.

Broad Data for Broad Robot Generalization.
Technical University of Munich (TUM) AI Guest Lecture Series. April 2021.

Principles for Tackling Distribution Shift: Pessimism, Adaptation, and Anticipation.
DeepMind/Ellis Seminar, Computational Statistics and Machine Learning Centre, University College London. February 2021.
Vector Institute & The Fields Institute for Research in Mathematical Sciences Seminar, University of Toronto. February 2021.

Reinforcement Learning for Real Robots.
AAAI New Faculty Highlight. January 2021.

Data Scalability for Robot Learning.
CMU Robotics Institute Seminar. November 2020.

Meta-Learning: From Few-Shot Adaptation to Uncovering Symmetries.
Samsung AI Forum Keynote. November 2020.

Meta-Learning for Robustness to our Changing World.
BayLearn: Bay Area Machine Learning Symposium Keynote. October 2020.

How Not to Create a Robot's Mind.
Stanford Human-Centered Artificial Intelligence Conference Keynote. October 2020.
From Neuroscience to Artificially Intelligent Systems (NAISys) Conference. November 2020.

Learning Exploration Strategies with Meta-Reinforcement Learning.
Simons Institute Workshop on Deep Reinforcement Learning. September 2020.

Beyond the Training Distribution: Embodiment, Adaptation, and Symmetry.
MIT Embodied Intelligence Seminar. June 2020.

Extrapolation via Adaptation.
L4DC Conference Keynote. June 2020.

Peculiar Optimization and Regularization Challenges in Multi-Task Learning and Meta-Learning.

Workshop on New Directions in Optimization, Statistics and Machine Learning, The Institute for Advanced Study. April 2020

The Next Generation of Robot Learning.
Stanford Robotics Seminar. December 2019.

Reinforcement Learning for Robots.
The Multi-Disciplinary Conference on Reinforcement Learning and Decision Making (RLDM). July 2019.

Versatility and Self-Supervision in Deep Robotic Learning.
University of Pennsylvania, GRASP Lab. May 2019

Building Versatile Agents through Unsupervised Interaction.
Stanford Minds, Brains, and Computation (MBC) Colloquium. November 2018.

Robots that Excel in Diverse Environments. *Bay Area Robotics Symposium*. November 2018

Building Unsupervised, Versatile Agents with Meta Learning.
University of Washington Robotics Colloquium. October 2018.

Generalization and Self-Supervision in Deep Robotic Learning.
Toyota Technical Institute in Chicago (TTIC). February 2018.
Stanford University. March 2018.
MIT. March 2018.
Google. April 2018.

Learning Versatile Behavior and Reusable Models through Real-World Interaction. *Caltech Young Investigator Lecture*. February 2018.

Guided Cost Learning and Connections to Generative Adversarial Modeling. *NIPS Deep Learning Symposium*. December 2016.

Robotic Visuomotor Learning. *Redwood Center for Theoretical Neuroscience*. November 2015.

End-to-End Training of Deep Visuomotor Policies. *Google, Inc.*. March 2015.

Peer-Reviewed Publications (Journals and Conferences)

[215] Sheryl Hsu, Omar Khattab, **Chelsea Finn**, Archit Sharma. Grounding by Trying: LLMs with Reinforcement Learning-Enhanced Retrieval. *International Conference on Learning Representations (ICLR)*. 2025.

[214] Yuejiang Liu, Jubayer Ibn Hamid, Annie Xie, Yoonho Lee, Max Du, **Chelsea Finn**. Bidirectional Decoding: Improving Action Chunking via Closed-Loop Resampling. *International Conference on Learning Representations (ICLR)*. 2025.

[213] Will Dorrell, Kyle Hsu, Luke Hollingsworth, Jin Hwa Lee, Jiajun Wu, **Chelsea Finn**, Peter E. Latham, Timothy Edward John Behrens, James C. R. Whittington. Don't Cut Corners: Exact Conditions for Modularity in Biologically Inspired Representations. *International Conference on Learning Representations (ICLR)*. 2025.

[212] Annie Chen, Alec Lessing, Andy Tang, Govind Chada, Laura Smith, Sergey Levine, **Chelsea Finn**. Commonsense Reasoning for Legged Robot Adaptation with Vision-Language Models. *International Conference on Robotics and Automation (ICRA)*. 2025.

[211] Suvir Mirchandani, David Yuan, Kaylee Burns, Md Sazzad Islam, Zihao Zhao, **Chelsea Finn**, Dorsa Sadigh. RoboCrowd: Scaling Robot Data Collection through Crowdsourcing. *International Conference on Robotics and Automation (ICRA).* 2025.

[210] David Yuan, Zihao Zhao, Kaylee Burns, **Chelsea Finn**. SpeedTuning: Speeding Up Policy Execution with Lightweight Reinforcement Learning. *International Conference on Robotics and Automation (ICRA).* 2025.

[209] Archit Sharma, Sedrick Keh, Eric Mitchell, **Chelsea Finn**, Kushal Arora, Thomas Kollar. A Critical Evaluation of AI Feedback for Aligning Large Language Models. *Neural Information Processing Systems (NeurIPS).* 2024.

[208] Allan Zhou, **Chelsea Finn**, James Harrison. Universal Neural Functionals. *Neural Information Processing Systems (NeurIPS).* 2024.

[207] Rafael Rafailov, Yaswanth Chittepu, Ryan Park, Harshit Sikchi, Joey Hejna, W. Bradley Knox, **Chelsea Finn**, Scott Niekum. Scaling Laws for Reward Model Overoptimization in Direct Alignment Algorithms. *Neural Information Processing Systems (NeurIPS).* 2024.

[206] Zipeng Fu, Tony Z. Zhao, **Chelsea Finn**. Mobile ALOHA: Learning Bimanual Mobile Manipulation using Low-Cost Whole-Body Teleoperation. *Conference on Robot Learning (CoRL).* 2024.

[205] Michal Zawalski, William Chen, Karl Pertsch, Oier Mees, **Chelsea Finn**, Sergey Levine. Robotic Control via Embodied Chain-of-Thought Reasoning. *Conference on Robot Learning (CoRL).* 2024.

[204] Ji Woong Kim, Tony Z. Zhao, Samuel Schmidgall, Anton Deguet, Marin Kobilarov, **Chelsea Finn**, Axel Krieger. Surgical Robot Transformer (SRT): Imitation Learning for Surgical Tasks. *Conference on Robot Learning (CoRL).* 2024.

[203] Kaylee Burns, Zach Witzel, Jubayer Ibn Hamid, Tianhe Yu, **Chelsea Finn**, Karol Hausman. What Makes Pre-Trained Visual Representations Successful for Robust Manipulation? *Conference on Robot Learning (CoRL).* 2024.

[202] Tony Z. Zhao, Jonathan Tompson, Danny Driess, Pete Florence, Seyed Kamyar Seyed Ghasemipour, **Chelsea Finn**, Ayzaan Wahid. ALOHA Unleashed: A Simple Recipe for Robot Dexterity . *Conference on Robot Learning (CoRL).* 2024.

[201] Zhuo Xu, Hao-Tien Lewis Chiang, Zipeng Fu, Mithun George Jacob, Tingnan Zhang, Tsang-Wei Edward Lee, Wenhao Yu, Connor Schenck, David Rendleman, Dhruv Shah, Fei Xia, Jasmine Hsu, Jonathan Hoech, Pete Florence, Sean Kirmani, Sumeet Singh, Vikas Sindhwani, Carolina Parada, **Chelsea Finn**, Peng Xu, Sergey Levine, Jie Tan. Mobility VLA: Multimodal Instruction Navigation with Long-Context VLMs and Topological Graphs. *Conference on Robot Learning (CoRL).* 2024.

[200] Moo Jin Kim, Karl Pertsch, Siddharth Karamcheti, Ted Xiao, Ashwin Balakrishna, Suraj Nair, Rafael Rafailov, Ethan P Foster, Pannag R Sanketi, Quan Vuong, Thomas Kollar, Benjamin Burchfiel, Russ Tedrake, Dorsa Sadigh, Sergey Levine, Percy Liang, **Chelsea Finn**. OpenVLA: An Open-Source Vision-Language-Action Model. *Conference on Robot Learning (CoRL).* 2024.

[199] Xuanlin Li, Kyle Hsu, Jiayuan Gu, Oier Mees, Karl Pertsch, Homer Rich Walke, Chuyuan Fu, Ishikaa Lunawat, Isabel Sieh, Sean Kirmani, Sergey Levine, Jiajun Wu, **Chelsea Finn**, Hao Su, Quan Vuong, Ted Xiao. Evaluating Real-World Robot Manipulation Policies in Simulation. *Conference on Robot Learning (CoRL).* 2024.

[198] Zipeng Fu, Qingqing Zhao, Qi Wu, Gordon Wetzstein, **Chelsea Finn**. HumanPlus: Humanoid

Shadowing and Imitation from Humans. *Conference on Robot Learning (CoRL)*. 2024.

[197] Rafael Rafailov, Joey Hejna, Ryan Park, **Chelsea Finn**. From r to Q*: Your Language Model is Secretly a Q-Function. *Conference on Language Modeling (COLM)*. 2024.

[196] Yoonho Lee, Michelle S. Lam, Helena Vasconcelos, Michael S. Bernstein, **Chelsea Finn**. Clarify: Improving Model Robustness With Natural Language Corrections. *ACM Symposium on User Interface Software and Technology (UIST)*. 2024.

[195] Caroline Choi, Fahim Tajwar, Yoonho Lee, Huaxiu Yao, Ananya Kumar, **Chelsea Finn**. Conservative Prediction via Data-Driven Confidence Minimization. *Transactions on Machine Learning Research (TMLR)*. 2024.

[194] Ryan Park, Rafael Rafailov, Stefano Ermon, **Chelsea Finn**. Disentangling Length from Quality in Direct Preference Optimization. *Findings of the Association for Computational Linguistics (ACL)*. 2024.

[193] Rafael Rafailov, Kyle Beltran Hatch, Anikait Singh, Aviral Kumar, Laura Smith, Ilya Kostrikov, Philippe Hansen-Estruch, Victor Kolev, Philip J. Ball, Jiajun Wu, Sergey Levine, **Chelsea Finn**. D5RL: Diverse Datasets for Data-Driven Deep Reinforcement Learning. *Reinforcement Learning Conference (RLC)*. 2024.

[192] Allan Zhou, Vikash Kumar, **Chelsea Finn**, Aravind Rajeswaran. Policy Architectures for Compositional Generalization in Control. *Reinforcement Learning Conference (RLC)*. 2024.

[191] Lucy Xiaoyang Shi, Zheyuan Hu, Tony Z. Zhao, Archit Sharma, Karl Pertsch, Jianlan Luo, Sergey Levine, **Chelsea Finn**. Yell At Your Robot: Improving On-the-Fly from Language Corrections. *Robotics: Science and Systems (RSS)*. 2024.

[190] Dibya Ghosh, Homer Rich Walke, Karl Pertsch, Kevin Black, Oier Mees, Sudeep Dasari, Joey Hejna, Tobias Kreiman, Charles Xu, Jianlan Luo, You Liang Tan, Lawrence Yunliang Chen, Quan Vuong, Ted Xiao, Pannag R Sanketi, Dorsa Sadigh, **Chelsea Finn**, Sergey Levine. Octo: An Open-Source Generalist Robot Policy. *Robotics: Science and Systems (RSS)*. 2024.

[189] Alexander Khazatsky, Karl Pertsch, Suraj Nair, Ashwin Balakrishna, Sudeep Dasari, Siddharth Karamcheti, Soroush Nasiriany, Mohan Kumar Srirama, Lawrence Yunliang Chen, Kirsty Ellis, Peter David Fagan, Joey Hejna, Masha Itkina, Marion Lepert, Yecheng Jason Ma, Patrick Tree Miller, Jimmy Wu, Suneel Belkhale, Shivin Dass, Huy Ha, Arhan Jain, Abraham Lee, Youngwoon Lee, Marius Memmel, Sungjae Park, Ilija Radosavovic, Kaiyuan Wang, Albert Zhan, Kevin Black, Cheng Chi, Kyle Beltran Hatch, Shan Lin, Jingpei Lu, Jean Mercat, Abdul Rehman, Pannag R Sanketi, Archit Sharma, Cody Simpson, Quan Vuong, Homer Rich Walke, Blake Wulfe, Ted Xiao, Jonathan Heewon Yang, Arefeh Yavary, Tony Z. Zhao, Christopher Agia, Rohan Baijal, Mateo Guaman Castro, Daphne Chen, Qiuyu Chen, Trinity Chung, Jaimyn Drake, Ethan Paul Foster, Jensen Gao, David Antonio Herrera, Minho Heo, Kyle Hsu, Jiaheng Hu, Donovon Jackson, Charlotte Le, Yunshuang Li, Roy Lin, Zehan Ma, Abhiram Maddukuri, Suvir Mirchandani, Daniel Morton, Tony Nguyen, Abigail O'Neill, Rosario Scalise, Derick Seale, Victor Son, Stephen Tian, Emi Tran, Andrew E. Wang, Yilin Wu, Annie Xie, Jingyun Yang, Patrick Yin, Yunchu Zhang, Osbert Bastani, Glen Berseth, Jeannette Bohg, Ken Goldberg, Abhinav Gupta, Abhishek Gupta, Dinesh Jayaraman, Joseph J Lim, Jitendra Malik, Roberto MartÃŋn-MartÃŋn, Subramanian Ramamoorthy, Dorsa Sadigh, Shuran Song, Jiajun Wu, Michael C. Yip, Yuke Zhu, Thomas Kollar, Sergey Levine, **Chelsea Finn**. DROID: A Large-Scale In-The-Wild Robot Manipulation Dataset. *Robotics: Science and Systems (RSS)*. 2024.

[188] Jonathan Heewon Yang, Catherine Glossop, Arjun Bhorkar, Dhruv Shah, Quan Vuong, **Chelsea Finn**, Dorsa Sadigh, Sergey Levine. Pushing the Limits of Cross-Embodiment Learning for Manipulation and Navigation. *Robotics: Science and Systems (RSS)*. 2024.

[187] Jensen Gao, Annie Xie, Ted Xiao, **Chelsea Finn**, Dorsa Sadigh. Efficient Data Collection for Robotic Manipulation via Compositional Generalization. *Robotics: Science and Systems (RSS)*. 2024.

[186] Moritz Pascal Stephan, Alexander Khazatsky, Eric Mitchell, Annie S Chen, Sheryl Hsu, Archit Sharma, **Chelsea Finn**. RLVF: Learning from Verbal Feedback without Overgeneralization. *International Conference on Machine Learning (ICML)*. 2024.

[185] Anikait Singh, Fahim Tajwar, Archit Sharma, Rafael Rafailov, Jeff Schneider, Tengyang Xie, Stefano Ermon, **Chelsea Finn**, Aviral Kumar. Understanding Preference Fine-Tuning for Large Language Models. *International Conference on Machine Learning (ICML)*. 2024.

[184] Kyle Hsu, Jubayer Ibn Hamid, Kaylee Burns, **Chelsea Finn**, Jiajun Wu. Tripod: Three Complementary Inductive Biases for Disentangled Representation Learning. *International Conference on Machine Learning (ICML)*. 2024.

[183] Soroush Nasiriany, Fei Xia, Wenhao Yu, Ted Xiao, Jacky Liang, Ishita Dasgupta, Annie Xie, Danny Driess, Ayzaan Wahid, Zhuo Xu, Quan Vuong, Tingnan Zhang, Tsang-Wei Edward Lee, Kuang-Huei Lee, Peng Xu, Sean Kirmani, Yuke Zhu, Andy Zeng, Karol Hausman, Nicolas Heess, **Chelsea Finn**, Sergey Levine, Brian Ichter. PIVOT: Iterative Visual Prompting for VLMs with Applications to Zero-Shot Robotic Control. *International Conference on Machine Learning (ICML)*. 2024.

[182] Annie Xie, Logan Mondal Bhamidipaty, Evan Zheran Liu, Joey Hong, Sergey Levine, **Chelsea Finn**. Learning to Explore in POMDPS with Informational Rewards. *International Conference on Machine Learning (ICML)*. 2024.

[181] Open X-Embodiment Collaboration. Open X-Embodiment: Robotic Learning Datasets and RT-X Models. *International Conference on Robotics and Automation (ICRA)*. 2024.

[180] Annie Xie, Lisa Lee, Ted Xiao, **Chelsea Finn**. Decomposing the Generalization Gap in Imitation Learning for Visual Robotic Manipulation. *International Conference on Robotics and Automation (ICRA)*. 2024.

[179] Jianlan Luo, Zheyuan Hu, Charles Xu, You Liang Tan, Jacob Berg, Archit Sharma, Stefan Schaal, **Chelsea Finn**, Abhishek Gupta, Sergey Levine. SERL: A Software Suite for Sample-Efficient Robotic Reinforcement Learning. *International Conference on Robotics and Automation (ICRA)*. 2024.

[179] Jingyun Yang, Max Sobol Mark, Brandon Vu, Archit Sharma, Jeannette Bohg, **Chelsea Finn**. Robot Fine-Tuning Made Easy: Pre-Training Rewards and Policies for Autonomous Real-World Reinforcement Learning. *International Conference on Robotics and Automation (ICRA)*. 2024.

[178] Yiyang Zhou, Chenhang Cui, Jaehong Yoon, Linjun Zhang, Zhun Deng, **Chelsea Finn**, Mohit Bansal, Huaxiu Yao. Analyzing and Mitigating Object Hallucination in Large Vision-Language Models. *International Conference on Learning Representations (ICLR)*. 2024.

[177] Johnathan Wenjia Xie, Yoonho Lee, Annie S Chen, **Chelsea Finn**. Self-Guided Masked Autoencoders for Domain-Agnostic Self-Supervised Learning. *International Conference on Learning Representations (ICLR)*. 2024.

[176] Huaxiu Yao, Xinyu Yang, Xinyi Pan, Shengchao Liu, Pang Wei Koh, **Chelsea Finn**. Improving Domain Generalization with Domain Relations. *International Conference on Learning Representations (ICLR)*. 2024.

[175] Annie S Chen, Yoonho Lee, Amrith Setlur, Sergey Levine, **Chelsea Finn**. Project and Probe: Sample-Efficient Adaptation by Interpolating Orthogonal Features. *International Conference on*

Learning Representations (ICLR). 2024.

[174] Jiayuan Gu, Sean Kirmani, Paul Wohlhart, Yao Lu, Montserrat Gonzalez Arenas, Kanishka Rao, Wenhao Yu, Chuyuan Fu, Keerthana Gopalakrishnan, Zhuo Xu, Priya Sundaresan, Peng Xu, Hao Su, Karol Hausman, **Chelsea Finn**, Quan Vuong, Ted Xiao. RT-Trajectory: Robotic Task Generalization via Hindsight Trajectory Sketches. *International Conference on Learning Representations (ICLR)*. 2024.

[173] Joey Hejna, Rafael Rafailov, Harshit Sikchi, **Chelsea Finn**, Scott Niekum, W. Bradley Knox, Dorsa Sadigh. Contrastive Preference Learning: Learning from Human Feedback without Reinforcement Learning. *International Conference on Learning Representations (ICLR)*. 2024.

[172] Katherine Tian, Eric Mitchell, Huaxiu Yao, Christopher D Manning, **Chelsea Finn**. Fine-Tuning Language Models for Factuality. *International Conference on Learning Representations (ICLR)*. 2024.

[171] Kevin Black, Mitsuhiko Nakamoto, Pranav Atreya, Homer Rich Walke, **Chelsea Finn**, Aviral Kumar, Sergey Levine. Zero-Shot Robotic Manipulation with Pre-Trained Image-Editing Diffusion Models. *International Conference on Learning Representations (ICLR)*. 2024.

[170] Charlotte Nicks, Eric Mitchell, Rafael Rafailov, Archit Sharma, Christopher D Manning, **Chelsea Finn**, Stefano Ermon. Language Model Detectors Are Easily Optimized Against. *International Conference on Learning Representations (ICLR)*. 2024.

[169] Eric Mitchell, Rafael Rafailov, Archit Sharma, **Chelsea Finn**, Christopher D Manning. An Emulator for Fine-tuning Large Language Models using Small Language Models. *International Conference on Learning Representations (ICLR)*. 2024.

[168] Evan Zheran Liu, David Yuan, Ahmed Ahmed, Elyse Cornwall, Juliette Woodrow, Kaylee Burns, Allen Nie, Emma Brunskill, Chris Piech, **Chelsea Finn**. A Fast and Accurate Machine Learning Autograder for the Breakout Assignment. *ACM Special Interest Group on Computer Science Education (SIGCSE) Technical Symposium*. 2024.

[167] Rafael Rafailov, Archit Sharma, Eric Mitchell, Christopher D Manning, Stefano Ermon, **Chelsea Finn**. Direct Preference Optimization: Your Language Model is Secretly a Reward Model. *Neural Information Processing Systems (NeurIPS)*. 2023.

[166] Jonathan Lee, Annie Xie, Aldo Pacchiano, Yash Chandak, **Chelsea Finn**, Ofir Nachum, Emma Brunskill. In-Context Decision-Making from Supervised Pretraining. *Neural Information Processing Systems (NeurIPS)*. 2023.

[165] Sumedh Anand Sontakke, SÃľb Arnold, Jesse Zhang, Karl Pertsch, Erdem Biyik, Dorsa Sadigh, **Chelsea Finn**, Laurent Itti. RoboCLIP: One Demonstration is Enough to Learn Robot Policies. *Neural Information Processing Systems (NeurIPS)*. 2023.

[164] Mitsuhiko Nakamoto, Yuexiang Zhai, Anikait Singh, Max Sobol Mark, Yi Ma, **Chelsea Finn**, Aviral Kumar, Sergey Levine. Cal-QL: Calibrated Offline RL Pre-Training for Efficient Online Fine-Tuning. *Neural Information Processing Systems (NeurIPS)*. 2023.

[163] Kyle Hsu, Will Dorrell, James C. R. Whittington, Jiajun Wu, **Chelsea Finn**. Disentanglement via Latent Quantization. *Neural Information Processing Systems (NeurIPS)*. 2023.

[162] Allan Zhou, Kaien Yang, Yiding Jiang, Kaylee Burns, Winnie Xu, Samuel Sokota, J Zico Kolter, **Chelsea Finn**. Neural Functional Transformers. *Neural Information Processing Systems (NeurIPS)*. 2023.

[161] Allan Zhou, Kaien Yang, Kaylee Burns, Adriano Cardace, Yiding Jiang, Samuel Sokota, J Zico Kolter, **Chelsea Finn**. Permutation Equivariant Neural Functionals. *Neural Information Processing*

Systems (NeurIPS). 2023.

[160] Nathan Zixia Hu, Eric Mitchell, Christopher D Manning, **Chelsea Finn**. Meta-Learning Online Adaptation of Language Models. *Empirical Methods in Natural Language Processing (EMNLP)*. 2023.

[159] Katherine Tian, Eric Mitchell, Allan Zhou, Archit Sharma, Rafael Rafailov, Huaxiu Yao, **Chelsea Finn**, Christopher D Manning. Just Ask for Calibration: Strategies for Eliciting Calibrated Confidence Scores from Language Models Fine-Tuned with Human Feedback. *Empirical Methods in Natural Language Processing (EMNLP)*. 2023.

[158] Lucy Xiaoyang Shi, Archit Sharma, Tony Z. Zhao, **Chelsea Finn**. Waypoint-Based Imitation Learning for Robotic Manipulation. *Conference on Robot Learning (CoRL)*. 2023.

[157] Rafael Rafailov, Kyle Beltran Hatch, Victor Kolev, John D Martin, Mariano Phielipp, **Chelsea Finn**. MOTO: Offline Pre-training to Online Fine-tuning for Model-based Robot Learning. *Conference on Robot Learning (CoRL)*. 2023.

[156] Archit Sharma, Ahmed M Ahmed, Rehaan Ahmad, **Chelsea Finn**. Self-Improving Robots: End-to-End Autonomous Visuomotor Reinforcement Learning. *Conference on Robot Learning (CoRL)*. 2023.

[155] Ziwen Zhuang, Zipeng Fu, Jianren Wang, Christopher G Atkeson, Soren Schwertfeger, **Chelsea Finn**, Hang Zhao. Robot Parkour Learning. *Conference on Robot Learning (CoRL)*. 2023.

[154] Jonathan Heewon Yang, Dorsa Sadigh, **Chelsea Finn**. Polybot: Training One Policy Across Robots While Embracing Variability. *Conference on Robot Learning (CoRL)*. 2023.

[153] Homer Walke, Kevin Black, Abraham Lee, Moo Jin Kim, Max Du, Chongyi Zheng, Tony Zhao, Philippe Hansen-Estruch, Quan Vuong, Andre He, Vivek Myers, Kuan Fang, **Chelsea Finn**, Sergey Levine. BridgeData V2: A Dataset for Robot Learning at Scale. *Conference on Robot Learning (CoRL)*. 2023.

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[42] Yiding Jiang, Shixiang Gu, Kevin Murphy, **Chelsea Finn**. Language as an Abstraction for Hierarchical Reinforcement Learning. *Neural Information Processing Systems (NeurIPS)*. 2019.

[41] Aravind Rajeswaran*, **Chelsea Finn***, Sham Kakade, Sergey Levine. Meta-Learning with Implicit Gradients. *Neural Information Processing Systems (NeurIPS)*. 2019.

[40] Lantao Yu, Tianhe Yu, **Chelsea Finn**, Stefano Ermon. Meta-Inverse Reinforcement Learning with Probabilistic Context Variables. *Neural Information Processing Systems (NeurIPS)*. 2019.

[39] Tianhe Yu, Pieter Abbeel, Sergey Levine, **Chelsea Finn**. One-Shot Hierarchical Imitation Learning of Compound Visuomotor Tasks. *International Conference on Intelligent Robots and Systems (IROS)*. 2019.

[38] Tianhe Yu, Gleb Shevchuk, Dorsa Sadigh, **Chelsea Finn**. Unsupervised Visuomotor Control via Distributional Planning Networks. *Robotics: Science and Systems (RSS)*. 2019.

[37] Annie Xie, Frederik Ebert, Sergey Levine, **Chelsea Finn**. Improvisation through Physical Understanding: Using Novel Objects as Tools with Visual Foresight. *Robotics: Science and Systems (RSS)*. 2019.

[36] Avi Singh, Larry Yang, Kristian Hartikainen, **Chelsea Finn**, Sergey Levine. End-to-End Robotic Reinforcement Learning without Reward Engineering. *Robotics: Science and Systems (RSS)*. 2019.

[35] **Chelsea Finn***, Aravind Rajeswaran*, Sham Kakade, Sergey Levine. Online Meta-Learning. *International Conference on Machine Learning (ICML)*. 2019.

[34] Kate Rakelly*, Aurick Zhou*, Deirdre Quillen, **Chelsea Finn**, Sergey Levine. Efficient Off-Policy Meta-Reinforcement Learning via Probabilistic Context Variables. *International Conference on Machine Learning (ICML)*. 2019.

[33] Kelvin Xu, Ellis Ratner, Anca Dragan, Sergey Levine, **Chelsea Finn**. Learning a Prior over Intent via Meta-Inverse Reinforcement Learning. *International Conference on Machine Learning (ICML)*. 2019.

[32] Stephen Tian*, Frederik Ebert*, Dinesh Jayaraman, Mayur Mudigonda, **Chelsea Finn**, Roberto

Calandra, Sergey Levine. Manipulation by Feel: Touch-Based Control with Deep Predictive Models. *International Conference on Robotics and Automation (ICRA)*. 2019.

[31] Yuxiang Yang, Ken Caluwaerts, Atil Iscen, Jie Tan, **Chelsea Finn**. NoRML: No-Reward Meta Learning. *International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*. 2019.

[30] Michael Janner, Sergey Levine, Bill Freeman, Josh Tenenbaum, **Chelsea Finn**, Jiajun Wu. Reasoning About Physical Interactions with Object-Oriented Prediction and Planning. *International Conference on Learning Representations (ICLR)*. 2019.

[29] Anusha Nagabandi, **Chelsea Finn**, Sergey Levine. Deep Online Learning Via Meta-Learning: Continual Adaptation for Model-Based RL. *International Conference on Learning Representations (ICLR)*. 2019.

[28] Kyle Hsu, Sergey Levine, **Chelsea Finn**. Unsupervised Learning via Meta-Learning. *International Conference on Learning Representations (ICLR)*. 2019.

[27] Anusha Nagabandi*, Ignasi Clavera*, Simin Liu Ronald S. Fearing, Pieter Abbeel, Sergey Levine, **Chelsea Finn**. Learning to Adapt in Dynamic, Real-World Environments Through Meta-Reinforcement Learning. *International Conference on Learning Representations (ICLR)*. 2019.

[26] **Chelsea Finn***, Kelvin Xu*, Sergey Levine. Probabilistic Model-Agnostic Meta-Learning. *Neural Information Processing Systems (NIPS)*. 2018.

[25] Annie Xie, Avi Singh, Sergey Levine, **Chelsea Finn**. Few-shot Goal Inference for Visuomotor Learning and Planning. *Conference on Robot Learning (CoRL)*. 2018.

[24] Frederik Ebert, Sudeep Dasari, Alex Lee, Sergey Levine, **Chelsea Finn**. Robustness via Retrying: Closed-Loop Robotic Manipulation with Self-Supervised Learning. *Conference on Robot Learning (CoRL)*. 2018.

[23] Aravind Srinivas, Allan Jabri, Pieter Abbeel, Sergey Levine, **Chelsea Finn**. Universal Planning Networks. *International Conference on Machine Learning (ICML)*. 2018.

[22] Tianhe Yu*, **Chelsea Finn***, Annie Xie, Sudeep Dasari, Pieter Abbeel, Sergey Levine. One-Shot Imitation from Observing Humans via Domain-Adaptive Meta-Learning. *Robotics: Science and Systems (RSS)*. 2018.

[21] Deirdre Quillen, Eric Jang, Ofir Nachum, **Chelsea Finn**, Julian Ibarz, Sergey Levine. Deep Reinforcement Learning for Vision-Based Robotic Grasping: A Simulated Comparative Evaluation of Off-Policy Methods. *International Conference on Robotics and Automation (ICRA)*. 2018.

[20] **Chelsea Finn**, Sergey Levine. Meta-Learning and Universality: Deep Representations and Gradient Descent can Approximate any Learning Algorithm. *International Conference on Learning Representations (ICLR)*. 2018.

[19] Erin Grant, **Chelsea Finn**, Sergey Levine, Trevor Darrell, Tom Griffiths. Recasting Gradient-Based Meta-Learning as Hierarchical Bayes. *International Conference on Learning Representations (ICLR)*. 2018.

[18] Mohammad Babaeizadeh, **Chelsea Finn**, Dumitru Erhan, Roy H. Campbell, Sergey Levine. Stochastic Variational Video Prediction. *International Conference on Learning Representations (ICLR)*. 2018.

[17] **Chelsea Finn***, Tianhe Yu*, Tianhao Zhang, Pieter Abbeel, Sergey Levine. One-Shot Visual Imitation Learning via Meta-Learning. *Conference on Robot Learning (CoRL)*. 2017.

[16] Frederik Ebert, **Chelsea Finn**, Alex Lee, Sergey Levine. Self-Supervised Visual Planning with Temporal Skip-Connections. *Conference on Robot Learning (CoRL)*. 2017.

[15] **Chelsea Finn**, Pieter Abbeel, Sergey Levine. Model-Agnostic Meta-Learning for Fast Adaptation of Deep Networks. *International Conference on Machine Learning (ICML)*. 2017.

[14] **Chelsea Finn**, Tianhe Yu, Justin Fu, Pieter Abbeel, Sergey Levine. Generalizing Skills with Semi-Supervised Reinforcement Learning. *International Conference on Learning Representations (ICLR)*. 2017.

[13] **Chelsea Finn**, Sergey Levine. Deep Visual Foresight for Planning Robot Motion. *International Conference on Robotics and Automation (ICRA)*. 2017.

[12] William Montgomery*, Anurag Ajay*, **Chelsea Finn**, Pieter Abbeel, Sergey Levine. Reset-Free Guided Policy Search: Efficient Deep Reinforcement Learning with Stochastic Initial States. *International Conference on Robotics and Automation (ICRA)*. 2017.

[11] **Chelsea Finn**, Ian Goodfellow, Sergey Levine. Unsupervised Learning for Physical Interaction through Video Prediction. *Neural Information Processing Systems (NIPS)*. 2016.

[10] Eric Tzeng, Coline Devin, Judy Hoffman, **Chelsea Finn**, Pieter Abbeel, Sergey Levine, Kate Saenko and Trevor Darrell. Adapting Deep Visuomotor Representations with Weak Pairwise Constraints. *Workshop on the Algorithmic Foundations of Robotics (WAFR)*. 2016.

[9] **Chelsea Finn**, Sergey Levine, Pieter Abbeel. Guided Cost Learning: Deep Inverse Optimal Control via Policy Optimization. *International Conference on Machine Learning (ICML)*. 2016.

[8] **Chelsea Finn**, Xin Yu Tan, Yan Duan, Trevor Darrell, Sergey Levine, Pieter Abbeel. Deep Spatial Autoencoders for Visuomotor Learning. *International Conference on Robotics and Automation (ICRA)*. 2016.

[7] Marvin Zhang, Zoe McCarthy, **Chelsea Finn**, Sergey Levine, Pieter Abbeel. Learning Deep Neural Network Policies with Continuous Memory States. *International Conference on Robotics and Automation (ICRA)*. 2016.

[6] Sergey Levine*, **Chelsea Finn***, Trevor Darrell, Pieter Abbeel. End-to-End Training of Deep Visuomotor Policies. *Journal of Machine Learning Research (JMLR)*. 2016.

[5] Hsueh-Cheng Wang, **Chelsea Finn**, Liam Paull, Michael Kaess, Ruth Rosenholtz, Seth Teller, John Leonard. Bridging text spotting and SLAM with junction features. *International Conference on Intelligent Robots and Systems (IROS)*. 2015.

[4] Dylan Hadfield-Menell, Alex Xavier Lee, **Chelsea Finn**, Eric Tzeng, Sandy Huang, Pieter Abbeel. Beyond Lowest-Warping Cost Action Selection in Trajectory Transfer. *International Conference on Robotics and Automation (ICRA)*. 2015.

[3] James Duyck, **Chelsea Finn**, Andy Hutcheon, Pablo Vera, Joaquin Salas, Sai Ravela. Sloop: A pattern retrieval engine for individual animal identification. *Pattern Recognition*. 2014.

[2] **Chelsea Finn**, James Duyck, Andy Hutcheon, Pablo Vera, Joaquin Salas, Sai Ravela. Relevance feedback in biometric retrieval of animal photographs. *Mexican Conference on Pattern Recognition (MCPR)*. 2014.

[1] Sai Ravela, James Duyck, **Chelsea Finn**. Vision-Based Biometrics for Conservation. *Mexican Conference on Pattern Recognition (MCPR)*. 2013.

Workshop Papers and Abstracts

Chelsea Finn*, Paul Christiano*, Pieter Abbeel, Sergey Levine. A Connection between Generative Adversarial Networks, Inverse Reinforcement Learning, and Energy-based Models. *NIPS Workshop on Adversarial Training*. 2016.

Mark Woodward, **Chelsea Finn**. Active One-Shot Learning. *NIPS Deep Reinforcement Learning Workshop*. 2016.

Chelsea Finn, Lisa Anne Hendricks, Trevor Darrell Learning Compact Convolutional Neural Networks with Nested Dropout. *International Conference on Learning Representations (ICLR) – Workshop Contribution*. 2015.

Advising

Post-doctoral research:
Ali Ghadirzadeh (now machine learning research engineer at Embark Studios)
Huaxiu Yao (now assistant professor at UNC)
Karl Pertsch
Yuejiang Liu
Ji Woong (Brian) Kim

PhD research:
Frederik Ebert (now founder & CEO of Emancro)
Tianhe Yu (now research scientist at Google Brain)
Suraj Nair (now research scientist at TRI)
Evan Z. Liu (now research scientist at Generally Intelligent)
Allan Zhou (now research scientist at Google DeepMind)
Annie Xie (now research scientist at Google DeepMind)
Eric Mitchell (now research scientist at OpenAI)
Archit Sharma (now research scientist at Google DeepMind)
Kyle Hsu
Alexander Khazatsky (now start-up founder)
Zhihao (Tony) Zhao (now start-up founder)
Kaylee Burns
Yoonho Lee
Annie S. Chen
Zipeng Fu
Jonathan Yang
Rafael Rafailov
Moo Jin Kim
Tian Gao
Anikait Singh
Lucy Shi
Marcel Torne Villasevil

Masters research:
Frederik Ebert (PhD at UC Berkeley)
Henrik Marklund (PhD student at Stanford)
Rafael Rafailov (PhD student at Stanford)
Ahmed Ahmed (PhD student at Stanford)
Moo Jin Kim (PhD student at Stanford)
Qi Wu

Undergraduate research:
Nopphon Sirinart (MS at Stanford)
Justin Fu (PhD student at UC Berkeley)
Marvin Zhang (PhD student at UC Berkeley)
Anurag Ajay (PhD student at MIT)
Tianhe Yu (PhD at Stanford)
Xin Yu Tan
Annie Xie (PhD student at Stanford)
Sudeep Dasari (PhD student at CMU)
Russell Mendonca (PhD student at CMU)
Kyle Hsu (PhD student at Stanford)
Tom Knowles
HyunJi (Alex) Nam (PhD student at Stanford)
Annie Chen (PhD student at Stanford)
Fahim Tajwar (PhD student at CMU)
Behzad Haghgoo
Kyle Hatch (resident at TRI)
Max Sobol Mark (PhD student at CMU)
Max Du (PhD student at Stanford)
Olivia Lee
Takao Yagatai
Leo Dong
Caroline Choi (PhD student at Stanford)
Jubayer Ibn Hamid
Zachary Witzel
Johnathan Xie
Jonathan Williams

Independent research:
Mark Woodward (next: Google AI resident)
Rosen Kralev

Outreach

AI Research Mentoring Program, Co-Organizer 2017-present
Coordinating a research mentoring program for underrepresented undergraduates. Grew the program to UC Berkeley, Stanford, and CMU

LINXS Summer Research Program, Faculty Host 2022,2023
Hosted an HBCU undergraduate researcher for one summer.

Berkeley AI & AI4ALL Camp, Co-Organizer 2018
Organized 5-day camp for underprivileged high-school students
Free camp with hands-on introduction to CS and AI, aiming to increase diversity in AI.

Berkeley AI & AI4ALL Camp, Co-Organizer 2017
Organized inaugural 2-day camp for 24 underprivileged high-school students
Free camp with hands-on introduction to CS and AI, aiming to increase diversity in AI.

Women in Machine Learning (WiML) 2017-2021
Invited speaker or panelist, CoRL 2019, 2021
Lunch mentor, ICML 2017, NeurIPS 2018, 2019, 2020, 2021
Co-organized WiML evening event, CoRL 2017

UC Berkeley Women in EECS, Outreach Co-coordinator 2016-2017
Organized events for minorities, with advice on pursuing research & grad school
Organized day-long STEM exploration workshop for Girl Scouts.

UC Berkeley Women in EECS, Co-President 2015-2016

Career Panels and Talks at Minorities and Youth in STEM events 2015-present
Cadence Fem.AI Summit, panelist, 2024
Harker School Research Symposium, keynote, 2024
Rising Stars Workshop hosted at Georgia Tech, panelist, 2023
Stanford WITE and BASES Women in AI Panel, panelist, 2023
Stanford-Berkeley Women in EECS Meet Up, speaker & panelist, 2015, 2019, 2022, 2023
ProjectCS Girls hackathon, speaker, 2023
Stanford AI4ALL Summer Camp, speaker, 2020, 2021, 2022, 2023
RSS Pioneers Workshop, panelist, 2022
Stanford Engineering Research Introductions (SERIS), faculty speaker, 2022
VEX Robotics Girl Powered Workshop, keynote speaker, 2021
MIT Graduate Women in Robotics Community, lunch speaker, 2021
REsearch Exposure in Socially Relevant Computing, panelist, 2021
Harker School Research Symposium, keynote, 2021
Stanford Society of Women Engineers (SWE), mentor, 2021
Stanford Women in Electrical Engineering (WEE), lunch panelist, 2021
Stanford Women in Computer Science (WiCS), speaker, 2020
Inclusion@RSS, panelist, 2020
ICML NewInML Workshop, panelist, 2020
CVPR Women in Computer Vision Workshop, keynote, panelist, mentor, 2020
RSS Women in Robotics Workshop, speaker, 2020
CISCO Women Rock IT Live Broadcast, featured speaker, 2019
Khipu: Latin American Meeting in AI, Women in AI event, panelist 2019
Girls Programming League (GPL), keynote, 2019
Pioneers in Engineering (PiE) Kick-Off, keynote, 2018
Graduate Pathways to STEM, panelist, 2016
SWE Parent Education Outreach Program, panelist, 2017
NASA When I Grow Up Career Exploration Event, panelist, 2016

Professional Activities

Board Member:
International Conference on Learning Representations (ICLR), 2023-2026

Program Chair:
International Conference on Learning Representations (ICLR), 2022

Workshops Chair:
International Conference on Learning Representations (ICLR), 2021

Tutorials Chair:
Reinforcement Learning and Decision Making (RLDM), 2022

Senior Area Chair:
International Conference on Machine Learning (ICML) 2023, 2024, 2025
Neural Information Processing Systems (NeurIPS) 2023, 2024

Area Chair:
Neural Information Processing Systems (NeurIPS) 2019, 2020, 2021, 2022
Robotics: Science and Systems (RSS) 2020, 2021
International Conference on Machine Learning (ICML) 2019, 2020, 2021
International Conference on Learning Representations (ICLR) 2019, 2020, 2021, 2023
Conference on Robot Learning (CoRL) 2018, 2019, 2021, 2022, 2023

Reviewing:
International Conference on Learning Representations (ICLR) 2017, 2018, 2025
Robotics: Science and Systems (RSS) 2016, 2019, 2022
Proceedings of the Royal Society A, 2022
IEEE Robotics and Automation Letters (RA-L) 2016, 2017, 2018, 2019, 2020, 2021
Conference on Robot Learning (CoRL) 2017, 2020
CRA Computing Innovation Fellows, Reviewer 2020
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) 2016, 2017, 2019
IEEE International Conference on Robotics and Automation (ICRA) 2016, 2017, 2018, 2019
Foundations and Trends in Machine Learning 2018
ACM Siggraph 2018
Neural Information Processing Systems (NIPS) 2016, 2017, 2018
International Conference on Machine Learning (ICML) 2017, 2018
International Journal of Robotics Research (IJRR) 2016, 2017
Communications of the ACM 2016

Workshop Organization:
Workshop on Cross-Embodiment Robot Learning, CoRL 2024
Workshop on Reliable and Responsible Foundation Models, ICLR 2024
Workshop on Distribution Shifts: Connecting Methods and Applications, NeurIPS 2022
Workshop on Pre-Training: Perspectives, Pitfalls, and Paths Forward, ICML 2022
Workshop on Learning from Diverse Offline Data, RSS 2022
Workshop on Robot Learning in the Cloud, RSS 2022
Deep Reinforcement Learning Workshop, NeurIPS 2021
Robotics for People (R4P): Perspectives on Interaction, Learning and Safety, RSS 2021
Deep Reinforcement Learning Workshop, NeurIPS 2020
Beyond "Tabula Rasa" in Reinforcement Learning Workshop, ICLR 2020
Deep Reinforcement Learning Workshop, NeurIPS 2019
Workshop on Learning with Rich Experience, NeurIPS 2019
Workshop on Multi-Task and Lifelong Reinforcement Learning, ICML 2019
Workshop on Imitation, Intent, and Interaction, ICML 2019
Workshop on Structures and Priors in Reinforcement Learning, ICLR 2019
Workshop on Deep Learning for Action and Interaction, NIPS 2016

Selected Press Coverage

"Researchers are rushing to build AI-powered robots. But will they work?" by Geoff Brumfiel. NPR. 17 March 2025.

"A Revolution in How Robots Learn," by James Somers. The New Yorker. 25 November 2024.

"This Is a Glimpse of the Future of AI Robots," by Will Knight. WIRED. 31 October 2024.

"Robot can find keys in a bag just by listening as it rummages around," by Jeremy Hsu. New Scientist. 13 June 2022.

"Can A.I. Grade Your Next Test?," by Cade Metz. The New York Times. 20 July 2021.

"The key to smarter robot collaborators may be more simplicity," by Karen Hao. MIT Technology Review. 13 November 2020.

"Artificial Imagination: How machines could learn creativity and common sense, among other human qualities," by George Musser. Scientific American. May 2019.

"A Robot has Figured Out How to Use Tools," by Will Knight. MIT Technology Review. 11 April 2019.

"The Robots are Here: All they need is a brain," by Daniel Cossins. New Scientist. 2 February 2019.

"Don't Just Lecture Robots – Make Them Learn," by Matt Simon. Wired. 9 July 2018.

"Robot learns by playing and imagines its own future," by Jonathan Bloom. ABC 7 News. 18 December 2017.

"Researchers train robots to see into the future," by John Biggs. TechCrunch. 8 December 2017.

"Building A.I. That Can Build A.I.," by Cade Metz. The New York Times. 5 November 2017.

"The Education of Brett the Robot," by Matt Simon. Wired. 21 September 2017.

"Google Builds a Robotic Hive-Mind Kindergarten," by Will Knight. MIT Technology Review. 3 October 2016.

"This Preschool is for Robots," by Jack Clark. Bloomberg Business. 2 September 2015.

"Robot Demonstrates Human-Like Learning Abilities," by Jonathan Bloom. ABC 7 News. 22 May 2015.

"Deep Learning Robots, DRC Practice, and Drone Pilot Competition," by Evan Ackerman. IEEE Spectrum. 22 May 2015.

"New approach trains robots to match human dexterity and speed," by John Markoff. The New York Times. 21 May 2015.