Lerrel Pinto

lerrelpinto.com • lerrel@cs.nyu.edu • Google Scholar
Address: 505, 60 Fifth Avenue, New York, NY 10011

Affiliation

New York University Sep 2020 – Current
Assistant Professor, Computer Science at Courant Institute
Disciplines: Robotics, Machine Learning, AI

Education

Carnegie Mellon University Aug 2014 – Aug 2019
Masters (MS) and Doctorate in Robotics (PhD)
Advisor: Abhinav Gupta
Thesis: Data Centric Robot Learning

Indian Institute of Technology Guwahati Jul 2010 – May 2014
Mechanical Engineering (Major), Electrical Engineering (Minor)
Advisors: Santosha K. Dwivedy, Prithwijit Guha

Academic Positions

University of California, Berkeley Aug 2019 – Aug 2020
Postdoctoral researcher (Mentors: Alexei Efros, Pieter Abbeel)

Google Brain Jan 2018 – May 2018
Research Intern (Mentors: James Davidson, Vincent Vanhoucke)

OpenAI May 2017 – Aug 2017
Research Intern (Mentors: Wojciech Zaremba, Pieter Abbeel)

Kyushu University May 2013 – Jul 2013
Research Intern (Mentor: Kazuo Kiguchi)

Hanyang University May 2012 – Jul 2012
Research Intern (Mentors: Chang-Soo Han, Ji Yeong Lee)

Honors and Awards

- The Sloan Fellowship 2025
- Best Paper Award in LLHR Workshop at CoRL 2024
- Best Paper Award at the NGSM Workshop at ICML 2024
- Outstanding Paper Award at the MFM-EAI Workshop at ICML 2024
- NSF CAREER Award 2024
- Best Paper Award at ICRA 2024
- Finalist, Best Robot Demonstration at ICRA EXPO 2024
- IEEE RAL Early Career Award in Robotics and Automation 2024
- Packard Fellowship for Science and Engineering 2023
- MIT Technology Review's Innovators under 35 (TR35) 2023

- Best Student Paper Award at RSS 2023
- Finalist, Best Paper Award at CoRL 2022
- Finalist, Best Paper Award at the RoboAdapt workshop at CoRL 2022
- Outstanding Paper Award at the LangRob workshop at CoRL 2022
- Amazon Research Award in Robotics 2022
- Finalist, Microsoft Faculty Fellowship 2021
- Amazon Research Award in Robotics 2021
- Finalist, Best Paper on Cognitive Robotics at IROS 2019
- SCS Dissertation Award Honorable Mention 2019
- Best Student Paper Award at ICRA 2016
- The Honda Young Engineer and Scientist (YES) award 2013
- Rank 1 at the Gulf Physics Olympiad 2010

In the Popular Press

- Self-supervised grasping covered by MIT Review, Futurism and IEEE Spectrum.
- Multi-task learning covered by TechCrunch, RT and QUARTZ.
- Adversarial robotics covered by GIZMODO, IEEE Spectrum and Digital Trends.
- Learning to fly covered by BuzzFeed, IEEE Spectrum and Popular Mechanics.
- Low cost robotics covered by WIRED and VentureBeat.
- Adversarial human games covered by WIRED, Tech Xplore and Daily Mail.
- Learning from audio covered by Wall Street Journal, TechCrunch and TechRepublic.
- Imitation from assistive tools covered by VentureBeat, hackster.io and Tech Xplore.
- Fast learning in homes covered by MIT Tech Review, New Scientist and Tech Xplore.
- VLMs for pick and drop covered by VentureBeat, MIT Tech Review and Hacker News.
- Zero-shot robot policies covered by MIT Tech Review and The Robot Report.
- Tactile skin covered by Tech Xplore.

Talks

- *Generalization by Reduction*
  Microsoft Agents and Representations Workshop Apr 2025
- *On Building General-Purpose Home Robots*
  Hanyang University Seminar Mar 2025
  NYU Research Collider Series Feb 2025
  Microsoft Cortex Seminar Jan 2025
  Interdisciplinary Data Science Conference Dec 2024
  Wayve Oct 2024
  IITG MechE Seminar Oct 2024
  Packard Fellows Meeting Sep 2024
  LGE Tech Summit May 2024
  Asia Future Enterprise Forum May 2024
  ICRA Workshop on Sim2Real May 2024

MILA Robotics Seminar — Apr 2024
Cornell Robotics Seminar — Mar 2024
MIT CSL Seminar — Mar 2024
Northeastern Robotics Seminar — Mar 2024
UMichigan AI Seminar — Mar 2024

- *Four Lessons for Building General-Purpose Robots*

Princeton Robotics Seminar — Oct 2023
Stanford Vision and Learning Seminar — Oct 2023
UCSD Robotics Seminar — Oct 2023
USC Robotics Seminar — Oct 2023
UC Berkeley CPAR/BAIR/Robotics Seminar — Oct 2023

- *A Constructivist's Guide to Robot Learning*

Samsung AI Seminar — Jul 2023
Hyundai Robotics Seminar — Jul 2023
Naver Labs Seminar — Jul 2023
CVPR Workshop on Dexterous Manipulation — Jun 2023
CMU RI Seminar — Mar 2023

- *Towards Building Large Robot Models*

UT Austin Seminar — Feb 2023
UPenn Seminar — Feb 2023
CoRL Workshop on Long Horizon Robotics — Dec 2022
UC Berkeley Workshop on Large-Scale Robot Learning — Oct 2022

- *Introduction to Deep Decision Making*

MIT Computational Physics School for Fusion Research — Aug 2022

- *Supercharging Robotic Imitation from Pixels*

CoRL Workshop on Human Robot Alignment — Dec 2022
2022 World 5G Convention — Aug 2022
Covariant AI Seminar — Jul 2022
Google Robotics Seminar — Jul 2022
UC Berkeley Computer Vision Seminar — Jul 2022
RSS Workshop on Imitation Learning — Jun 2022

- *The Why, Where, and How of Robot Benchmarking*

RSS Workshop on Benchmarking in Robotics — Jun 2022

- *The Surprising Effectiveness of Representation Learning for Robotics*

ETHZ Robot Autonomy Seminar — May 2022

- *Towards General Purpose Dexterity*

Honda R&D — Apr 2022

- *Towards Robot Learning for the Real World*

Cornell Robotics Seminar — Feb 2022
IITG AI Seminar — Feb 2022
UNC Applied Reinforcement Learning Seminar — Feb 2022
Intel Embodied Learning Seminar — Feb 2022
USC Advances in Computing Seminar — Feb 2022

- *Rethinking the Role of Representation Learning in Robotics*
  - NESS-NextGen Data Science Day — Nov 2021
  - ICCV Workshop on Simulation Technology for Embodied AI — Oct 2021
  - FAIR Embodied AI Seminar — Oct 2021
  - Auburn University Seminar — Sep 2021
  - IROS Workshop on Combing Learning and Motion Planning — Aug 2021
  - Microsoft NYC Seminar — Apr 2021
- *Robot Learning in the Wild*
  - Cornell Robotics Seminar — Nov 2020
  - MILA Robotics Seminar — Oct 2020
  - NVIDIA Robotics Seminar — Sep 2020
  - INRIA AI Seminar — Sep 2020
  - Berkeley AI Research Seminar — Sep 2020
  - NYU CDS Seminar — Sep 2020
- *Diverse Data and Efficient Algorithms for Robot Learning*
  - NYU CILVR Seminar — Aug 2020
  - MIT AI Seminar — May 2020
- *Imitation Learning from Humans and other Robots*
  - RSS 2020 Workshop on Imitation Learning — Jul 2020
- *Data Centric Robot Learning*
  - Samsung AI Research Seminar — Mar 2020
  - CMU Thesis Talk — Aug 2019
  - UC Berkeley AI Talk — Aug 2019
- *Learning for Grasping*
  - CVPR 2019 Workshop on Bringing Robotics to CV — Jun 2019
- *Rethinking the Relationship between Data and Robotics*
  - UC Berkeley Seminar — Apr 2019
  - NYU CS Colloquium — Mar 2019
  - CMU Robotics Seminar — Feb 2019
  - University of Michigan Seminar — Feb 2019
  - University of Maryland Seminar — Feb 2019
- *Using Simulators for Fast, Efficient, and Generalizable Learning*
  - RPAD Lab Reading Group at CMU — Nov 2018
- *Generalization Beyond Robustness*
  - FAIR Summit — Oct 2018
- *Scaling up Robot Learning*
  - Thesis Proposal at CMU — Jun 2018
- *Adversarial Methods for Robot Learning*
  - Workshop on Adversarial Robotics at RSS 2018 — Jun 2018
- *Asymmetric Actor Critic*
  - Oral paper talk at RSS 2018 — Jun 2018
- *Scaling Self-Supervision for Robot Learning*

Google Brain Seminar — Jun 2017
OpenAI — Dec 2016

- *Robust Adversarial Reinforcement Learning*

  Oral paper talk at ICML 2017 — Aug 2017
- *Multi-Task Learning for Robotics*

  Oral paper talk at ICRA 2017 — May 2017
- *Physical Adversaries for Grasping*

  Oral paper talk at ICRA 2017 — May 2017
- *Learning Visual Representations via Physical Interactions*

  Oral paper talk at ECCV 2016 — May 2017
- *Supersizing Self-Supervision for Grasping*

  CMU RI Seminar talk 2016 — Sep 2016
  Oral paper talk at ICRA 2016 — May 2016

Service

Area Chair or equivalent

- International Conference on Learning Representations (ICLR) 2022-
- Conference on Neural Information Processing Systems (NeurIPS) 2022-
- International Conference on Machine Learning (ICML) 2022-
- IEEE International Conference on Robotics and Automation (ICRA) 2022-
- Conference on Robot Learning (CoRL) 2021-
- Robotics: Science and Systems (RSS) 2021-
- AAAI Conference on Artificial Intelligence (AAAI) 2020-
- IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) 2020-

Reviewer

- IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI) 2019-
- Conference on Neural Information Processing Systems (NeurIPS) 2019-
- International Conference on Machine Learning (ICML) 2019-
- ACM SIGGRAPH 2018-
- Asian Conference on Computer Vision (ACCV) 2018-
- IEEE International Conference on Robotics and Automation (ICRA) 2022-
- European Conference on Computer Vision (ECCV) 2018-
- Computer Vision and Pattern Recognition (CVPR) 2018-
- IEEE Transactions on Robotics (T-RO) 2018-
- Humanoids 2018-
- Conference on Robot Learning (CoRL) 2017-
- IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) 2017-
- RA-L - IEEE Robotics and Automation Society 2017-
- The International Journal of Robotics Research (IJRR) 2017-

Workshops

- Organizer of Microsoft Agents and Representations Workshop 2025
- Organizer of Tutorial on Supervised Policy Learning for Real World Robots, RSS 2024
- Organizer of Workshop on Vision Language Models for Mobile Manipulation, ICRA 2024
- Organizer of Workshop on Reliable and Deployable Robot Learning Systems, CoRL 2023
- Organizer of Workshop on Dexterous Manipulation, RSS 2023
- Organizer of Workshop on Vision Pretraining for Robotics, CVPR 2023
- Organizer of Workshop on Unsupervised Reinforcement Learning, ICML 2021
- Organizer of Workshop on Bringing Robotics to the CV Community, CVPR 2019
- Organizer of Workshop on Automating Robot Experiments, IROS 2019
- Program Committee of Workshop on Meta-Learning, NeurIPS 2019
- Program Committee of Workshop on Deep RL, NeurIPS 2019
- Program Committee of Workshop on Deep RL, NeurIPS 2018
- Program Committee of Workshop on Exploration in RL, ICML 2018
- Program Committee of Workshop on Action and Anticipation, ECCV 2016

Departmental Service

- NYU, Mentor at Pathways to AI Program 2022-2024
- NYU, Mentor at GSTEM Program 2022, 2024
- NYU, Center for Data Science Undergraduate Research Program 2021-2022
- NYU, AI Faculty Search Committee Member 2020-2023
- NYU, PhD Open House Visit Organizer 2021-2023
- NYU, PhD Admissions Committee Member 2020-2022
- NYU, Dean's Undergraduate Research Fund Committee Member 2020-2022
- UC Berkeley, PhD Admissions Committee 2020
- CMU, RoboOrg Treasurer 2015-2016
- CMU, MSCV Admissions Committee 2019
- Thesis Committee Member: Zachary Ferguson (NYU), Trieu Trinh (NYU), David Brandfonbrener (NYU), Ilya Kostrikov (NYU), Wenyu Han (NYU), Sumedh Sontakke (USC), Raunaq Bhirangi (CMU), Wilson Yan (UC Berkeley), Mara Levy (UMD).
- NYU, PhD Qualifier Committee Member: Trieu Trinh, David Brandfonbrener, Ilya Kostrikov, Denis Yarats
- CMU, Master's Thesis Committee Member: Dhiraj Gandhi, Rawal Khirodkar, Wenxuan Zhou, Maximilian Sieb, Edward Ahn
- CMU, PhD Research Qualifier Committee Member: Xian Zhou, Xingyu Lin

Teaching

- Instructor, Introduction to Machine Learning at NYU Fall 2022
- Instructor, Introduction to Robot Intelligence at NYU Spring 2022, '23, Fall 2023, '24
- Instructor, Deep Reinforcement Learning at NYU Fall 2021, '20, Spring 2024
- Instructor, Big Ideas in AI at NYU Spring 2021
- Guest Lecturer, Deep RL and Control CMU 10-703 Spring 2018

- Teaching Assistant, Visual Learning and Recognition CMU 16-824 Spring 2018, '17
- Teaching Assistant, Computer Vision CMU 16-720 Fall 2015

Current Students

- PhD: Benjamin Evans, Mahi Shafiullah, Denis Yarats, Ulyana Piterbarg, Anthony Chen, Siddhant Haldar, Nikhil Bhattasali, Jeff Cui, Gaoyue Zhou, Irmak Guzey.
- Masters: Venkatesh Pattabiraman, Bobby Peng, Enes Erciyes, Yibin Wang.
- Undergraduates: Haritheja Etukuru, Peiqi Liu, Anya Zorin.

Past Students

- Undergraduates and Masters: Seungjae Lee (next PhD at UMD), Yinlong Dai (next PhD at Virginia Tech), Ebrahim Rasromani (next PhD at NYU), Abitha Thankaraj (next PhD at CMU), Jeff Cui (next PhD at NYU), Jyo Pari (next PhD at MIT), Duo Zhang (next PhD at Rutgers), Pratyusha Sharma (next PhD at MIT), Dhiraj Gandhi (next at FAIR, Nimble AI), Yilin Wu (next MS at Stanford), Wilson Yan (next PhD at UC Berkeley), Alexander Li (next PhD at CMU), Yunzhi Zhang (next PhD at Stanford), Sarah Young (next PhD at CMU), Wenxuan Zhou (next PhD at CMU), Joey Hejna (next PhD at Stanford), Alexander Gao (next PhD at UMD), Violet Fu (next PhD at UMichigan), Mehul Damani (next PhD at MIT), Latavia Thompson (next PhD at Yale), Bryan Chen (next MS at UC Berkeley), Sridhar Arunachalam (next at 1X), Anant Rai (next at 1X), Vaibhav Mathur (next at Apptronik), Sneha Silwal (next at Meta AI), Karanbir Chahal (next at NVIDIA), Mike Urciuoli (next at Microsoft), Yaswanth Orru (next at Fauna Robotics), Aadhithya Iyer (next at Fauna Robotics).
- High School: Tobias Alam, Luke Feldman, Alex Miller, Ella Witalec.

Publications

[65] *Robot utility models: General policies for zero-shot deployment in new environments*
Haritheja Etukuru, Norihito Naka, Zijin Hu, Seungjae Lee, Julian Mehu, Aaron Edsinger, Chris Paxton, Soumith Chintala, **Lerrel Pinto**, Nur Muhammad Mahi Shafiullah.
ICRA 2025.

[64] *Anyskin: Plug-and-play skin sensing for robotic touch*
Raunaq Bhirangi, Venkatesh Pattabiraman, Enes Erciyes, Yifeng Cao, Tess Hellebrekers, **Lerrel Pinto**.
ICRA 2025.

[63] *Bridging the Human to Robot Dexterity Gap through Object-Oriented Rewards*
Irmak Guzey, Yinlong Dai, Georgy Savva, Raunaq Bhirangi, **Lerrel Pinto**.
ICRA 2025.

[62] *DynaMem: Online Dynamic Spatio-Semantic Memory for Open World Mobile Manipulation*
Peiqi Liu, Zhanqiu Guo, Mohit Warke, Soumith Chintala, Chris Paxton, Nur Muhammad Mahi Shafiullah, **Lerrel Pinto**.
ICRA 2025.

[61] *P3-PO: Prescriptive Point Priors for Visuo-Spatial Generalization of Robot Policies*
Mara Levy, Siddhant Haldar, **Lerrel Pinto**, Abhinav Shirivastava.
ICRA 2025.

[60] *Training Language Models on Synthetic Edit Sequences Improves Code Synthesis*
Ulyana Piterbarg, **Lerrel Pinto**, Rob Fergus.
ICLR 2025.

[59] *DynaMo: In-Domain Dynamics Pretraining for Visuo-Motor Control*
Zichen Jeff Cui, Hengkai Pan, Aadhithya Iyer, Siddhant Haldar, **Lerrel Pinto**.
NeurIPS 2024.

[58] *BAKU: An Efficient Transformer for Multi-Task Policy Learning*
Siddhant Haldar, Zhuoran Peng, **Lerrel Pinto**.
NeurIPS 2024.

[57] *OPEN TEACH: A Versatile Teleoperation System for Robotic Manipulation*
Aadhithya Iyer, Zhuoran Peng, Yinlong Dai, Irmak Guzey, Siddhant Haldar, Soumith Chintala, **Lerrel Pinto**.
CoRL 2024.

[56] *Ok-robot: What really matters in integrating open-knowledge models for robotics*
Peiqi Liu, Yaswanth Orru, Jay Vakil, Chris Paxton, Mahi Shafiullah, **Lerrel Pinto**.
RSS 2024.

[55] *Adaptive Sampling of k-Space in Magnetic Resonance for Fast Pathology Prediction*
Chen-Yu Yen, Raghav Singhal, Umang Sharma, Rajesh Ranganath, Sumit Chopra, **Lerrel Pinto**.
ICML 2024.

[54] *Behavior Generation with Latent Actions*
Seungjae Lee, Yibin Wang, Haritheja Etukuru, H Jin Kim, Mahi Shafiullah, **Lerrel Pinto**.
ICML 2024. (**Outstanding Paper Award at MFM-EAI at ICML 2024**)

[53] *Hierarchical State Space Models for Continuous Sequence-to-Sequence Modeling*
Raunaq Bhirangi, Chenyu Wang, Venkatesh Pattabiraman, Carmel Majidi, Abhinav Gupta, Tess Hellebrekers, **Lerrel Pinto**.
ICML 2024. (**Best Paper Award at NGSM at ICML 2024**)

[52] *diff History for Neural Language Agents*
Ulyana Piterbarg, **Lerrel Pinto**, Rob Fergus.
ICML 2024.

[51] *See to touch: Learning tactile dexterity through visual incentives*
Irmak Guzey, Yinlong Dai, Ben Evans, Soumith Chintala, **Lerrel Pinto**.
ICRA 2024.

[50] *Open x-embodiment: Robotic learning datasets and rt-x models*
Open X-Embodiment Collaboration et al.
ICRA 2024. (**Best Paper Award**)

[49] *NetHack is Hard to Hack*
Ulyana Piterbarg, **Lerrel Pinto**, Rob Fergus.
NeurIPS 2023.

[48] *Dexterity from Touch: Self-Supervised Pre-Training of Tactile Representations with Robotic Play*
Irmak Güzey, Ben Evans, Soumith Chintala, **Lerrel Pinto**.
CoRL 2023.

[47] *That Sounds Right: Auditory Self-Supervision for Dynamic Robot Manipulation*
Abitha Thankaraj, **Lerrel Pinto**.
CoRL 2023.

[46] *Teach a Robot to FISH: Versatile Imitation from One Minute of Demonstrations*
Siddhant Haldar, Jyothish Pari, Anant Rai, **Lerrel Pinto**.
RSS 2023. (**Best Student Paper Award**)

[45] *CLIP-Fields: Weakly Supervised Semantic Fields for Robotic Memory*
Nur Muhammad Mahi Shafiullah, Chris Paxton, **Lerrel Pinto**, Soumith Chintala, Arthur Szlam.
RSS 2023. (**Outstanding Paper Award at LangRob at CoRL 2022**)

[44] *From Play to Policy: Conditional Behavior Generation from Uncurated Robot Data*
Zichen Jeff Cui, Yibin Wang, Nur Muhammad Mahi Shafiullah, **Lerrel Pinto**.
ICLR 2023. (**Notable top 5% paper**)

[43] *Learning Simultaneous Navigation and Construction in Grid Worlds*
Wenyu Han, Haoran Wu, Eisuke Hirota, Alexander Gao, **Lerrel Pinto**, Ludovic Righetti, Chen Feng.
ICLR 2023.

[42] *Holo-Dex: Teaching Dexterity with Immersive Mixed Reality*
Sridhar Pandian Arunachalam, Irmak Güzey, Soumith Chintala, **Lerrel Pinto**.
ICRA 2023.

[41] *Dexterous Imitation Made Easy: A Learning-Based Framework for Efficient Dexterous Manipulation*
Sridhar Pandian Arunachalam, Sneha Silwal, Ben Evans, **Lerrel Pinto**.

ICRA 2023.

[40] *Watch and Match: Supercharging Imitation with Regularized Optimal Transport*
Siddhant Haldar, Vaibhav Mathur, Denis Yarats, **Lerrel Pinto**.
CoRL 2022. (**Finalist for Best Paper Award**)

[39] *Behavior Transformers: Cloning k modes with one stone*
Nur Muhammad Mahi Shafiullah, Zichen Jeff Cui, Ariuntuya Altanzaya, **Lerrel Pinto**.
NeurIPS 2022. (**Nominated for Outstanding Paper Award**)

[38] *Playful Interactions for Representation Learning*
Sarah Young, Pieter Abbeel, **Lerrel Pinto**.
IROS 2022.

[37] *Learning Visual Robotic Control Efficiently with Contrastive Pre-Training and Data Augmentation*
Albert Zhan, Philip Zhao, **Lerrel Pinto**, Pieter Abbeel, Michael Laskin.
IROS 2022.

[36] *The Surprising Effectiveness of Representation Learning for Visual Imitation*
Jyothish Pari, Nur Muhammad Shafiullah, Sridhar Pandian Arunachalam, **Lerrel Pinto**.
RSS 2022.

[35] *Context is Everything: Implicit Identification for Dynamics Adaptation*
Ben Evans, Abitha Thankaraj, **Lerrel Pinto**.
ICRA 2022.

[34] *One After Another: Learning Skills for a Changing World*
Nur Muhammad Shafiullah, **Lerrel Pinto**.
ICLR 2022.

[33] *Mastering Visual Continuous Control: Improved Data-Augmented Reinforcement Learning*
Denis Yarats, Rob Fergus, Alessandro Lazaric, **Lerrel Pinto**.
ICLR 2022.

[32] *RB2: Robotic Manipulation Benchmarking with a Twist*
Sudeep Dasari, Jianren Wang, Joyce Hong, Shikhar Bahl, Yixin Lin, Austin S Wang, Abitha Thankaraj, Karanbir Singh Chahal, Berk Calli, Saurabh Gupta, David Held, **Lerrel Pinto**, Deepak Pathak, Vikash Kumar, Abhinav Gupta.
NeurIPS 2021.

[31] *URLB: Unsupervised reinforcement learning benchmark*
Michael Laskin, Denis Yarats, Hao Liu, Kimin Lee, Albert Zhan, Kevin Lu, Catherine Cang, **Lerrel Pinto**, Pieter Abbeel.
NeurIPS 2021.

[30] *State-only imitation learning for dexterous manipulation*
Ilija Radosavovic, Xiaolong Wang, **Lerrel Pinto**, Jitendra Malik.
IROS 2021.

[29] *Reinforcement Learning with Prototypical Representations*
Denis Yarats, Rob Fergus, Alessandro Lazaric, **Lerrel Pinto**.
ICML 2021.

[28] *Learning Cross-Domain Correspondence for Control with Dynamics Cycle-Consistency*

Qiang Zhang, Tete Xiao, Alexei A. Efros, **Lerrel Pinto**, Xiaolong Wang.
ICLR 2021. (**Oral Presentation**)

[27] *Self-Supervised Policy Adaptation during Deployment*
Nicklas Hansen, Rishabh Jangir, Yu Sun, Guillem Alenya, Pieter Abbeel, Alexei A. Efros, **Lerrel Pinto**, Xiaolong Wang.
ICLR 2021. (**Spotlight Presentation**)

[26] *Task-Agnostic Morphology Evolution.*
Donald J. Hejna III, Pieter Abbeel, **Lerrel Pinto**.
ICLR 2021.

[25] *Automatic Curriculum Learning through Value Disagreement.*
Yunzhi Zhang, Pieter Abbeel, **Lerrel Pinto**.
NeurIPS 2020.

[24] *Reinforcement Learning with Augmented Data.*
Michael Laskin, Kimin Lee, Adam Stooke, **Lerrel Pinto**, Pieter Abbeel, Aravind Srinivas.
NeurIPS 2020. (**Spotlight Presentation**)

[23] *Generalized Hindsight for Reinforcement Learning.*
Alexander C. Li, **Lerrel Pinto**, Pieter Abbeel.
NeurIPS 2020.

[22] *Robust Policies via Mid-Level Visual Representations.*
Bryan Chen, Alexander Sax, Gene Lewis, Iro Armeni, Silvio Savarese, Amir Zamir, Jitendra Malik, **Lerrel Pinto**.
CoRL 2020.

[21] *Learning Predictive Representations for Deformable Objects Using Contrastive Estimation.*
Wilson Yan, Ashwin Vangipuram, Pieter Abbeel, **Lerrel Pinto**.
CoRL 2020.

[20] *Visual Imitation Made Easy.*
Sarah Young, Dhiraj Gandhi, Shubham Tulsiani, Abhinav Gupta, Pieter Abbeel, **Lerrel Pinto**.
CoRL 2020.

[19] *Hierarchically Decoupled Imitation for Morphological Transfer.*
Donald J. Hejna III, Pieter Abbeel, **Lerrel Pinto**.
ICML 2020.

[18] *Swoosh! Rattle! Thump! - Actions that Sound.*
Dhiraj Gandhi, Abhinav Gupta, **Lerrel Pinto**.
RSS 2020.

[17] *Learning to Manipulate Deformable Objects without Demonstrations.*
Yilin Wu, Wilson Yan, Thanard Kurutach, **Lerrel Pinto**, Pieter Abbeel.
RSS 2020.

[15] *Discovering Motor Programs by Recomposing Demonstrations.*
Tanmay Shankar, Shubham Tulsiani, **Lerrel Pinto**, Abhinav Gupta.
ICLR 2020.

[14] *Robot Learning via Human Adversarial Games.*
Jiali Duan*, Qian Wang*, **Lerrel Pinto**, C.-C. Jay Kuo, Stefanos Nikolaidis.

IROS 2019. (**Best Paper on Cognitive Robotics Award Finalist**)

[13] *Environment Probing Interaction Policies.*
WenXuan Zhou, **Lerrel Pinto**, Abhinav Gupta.
ICLR 2019.

[12] *Multiple Interactions Made Easy (MIME): Large Scale Demonstrations Data for Imitation*
Pratyusha Sharma*, Lekha Mohan*, **Lerrel Pinto**, Abhinav Gupta.
CoRL 2018.

[11] *Robot Learning in Homes: Improving Generalization and Reducing Dataset Bias.*
Abhinav Gupta, Adithya Murali, Dhiraj Gandhi, **Lerrel Pinto**.
NeurIPS 2018.

[10] *Asymmetric Actor Critic for Image-Based Robot Learning.*
Lerrel Pinto, Marcin Andrychowicz, Peter Welinder, Wojciech Zaremba, Pieter Abbeel.
RSS 2018.

[9] *CASSL: Curriculum Accelerated Self-Supervised Learning*
Adithyavairavan Murali, **Lerrel Pinto**, Dhiraj Gandhi, Abhinav Gupta.
ICRA 2018.

[8] *Predictive-State Decoders: Encoding the Future into Recurrent Networks.*
Arun Venkatraman, Nicholas Rhinehart, Wen Sun, **Lerrel Pinto**, Martial Hebert, Byron Boots, Kris Kitani, J. Andrew Bagnell.
NIPS 2017.

[7] *Learning to Fly by Crashing.*
Dhiraj Gandhi, **Lerrel Pinto**, Abhinav Gupta.
IROS 2017.

[6] *Robust Adversarial Reinforcement Learning.*
Lerrel Pinto, James Davidson, Rahul Sukthankar, Abhinav Gupta.
ICML 2017.

[5] *Supervision via Competition: Robot Adversaries for Learning Tasks.*
Lerrel Pinto, James Davidson, Abhinav Gupta.
ICRA 2017.

[4] *Learning to Push by Grasping: Using multiple tasks for effective learning.*
Lerrel Pinto, Abhinav Gupta.
ICRA 2017.

[3] *Improved Learing of Dynamics for Control.*
Arun Venkatraman, Roberto Capobianco, **Lerrel Pinto**, Martial Hebert, Daniele Nardi, J. Andrew Bagnell.
ISER 2016.

[2] *The Curious Robot: Learning Visual Representations via Physical Interactions.*
Lerrel Pinto, Dhiraj Gandhi, Yuanfeng Han, Yong-Lae Park, Abhinav Gupta.
ECCV 2016. (**Spotlight Presentation**)

[1] *Supersizing Self-supervision: Learning to grasp from 50K tries and 700 robot hours.*
Lerrel Pinto, Abhinav Gupta.
ICRA 2016. (**Best Student Paper Award**)