

EDUCATION	<p><i>Ph.D. Student in Computer Science</i> University of California, Berkeley</p> <p><i>B.A. in Computer Science</i> University of California, Berkeley <i>Highest Distinction in General Scholarship</i></p> <p><i>Relevant Coursework: Deep Reinforcement Learning (A+), Deep Unsupervised Learning (A+), Information Theory & Coding* (A-), Convex Optimization* (A), Optimization & Approximation (A+), Machine Learning (A+), Machine Learning Systems (A+), Linear System Theory (A), Real Analysis (A), Artificial Intelligence (A+), Probability & Random Processes (A), Discrete Math & Probability Theory (A+)</i></p>	<p>2020 – GPA: 3.947/4.00</p> <p>2016 – 2020 GPA: 3.967/4.00</p>
AWARDS	<p><i>Fellowships</i></p> <ul style="list-style-type: none">• <i>National Science Foundation Graduate Research Fellowship</i>, 2020-2023• <i>EECS Excellence Award</i>, supplementary fellowship for outstanding academic record, UC Berkeley, 2020-2021 <p><i>Honors</i></p> <ul style="list-style-type: none">• <i>CRA Outstanding Undergraduate Researcher Award Finalist</i>, awarded to roughly 20 graduating seniors in computer science from North America, 2019• <i>NeurIPS Robot Learning Workshop Travel Award</i>, DeepMind, 2019• <i>Upsilon Pi Epsilon CS Honors Society</i>, UC Berkeley, 2018• <i>The Leadership Award</i>, Cal Alumni Association, 2016, 2017, 2019	
RESEARCH	<p><i>Graduate Student Researcher</i> Robotics and AI Lab (RAIL), advised by Sergey Levine Developing intelligent, autonomous systems that learn continually in the real world.</p> <p><i>Undergraduate Researcher</i> Robot Learning Lab (RLL), advised by Pieter Abbeel Developed sample-efficient, vision-based methods, via representation learning and model-based approaches, to enable robot learning in real-world domains.</p>	<p>August 2020 – present</p> <p>May 2018 – May 2020</p>
PUBLICATIONS	<p>Laura Smith*, Ilya Kostrikov*, Sergey Levine. A Walk in the Park: Learning to Walk in 20 Minutes With Model-Free Reinforcement Learning. <i>Under submission for the International Conference on Robotics and Automation (ICRA), 2023.</i> [website]</p> <p>Laura Smith, J. Chase Kew, Xue Bin Peng, Sehoon Ha, Jie Tan, Sergey Levine. Legged Robots that Keep on Learning: Fine-Tuning Locomotion Policies in the Real World. <i>published at ICRA, 2022.</i> [website]</p> <p>Vitchyr H. Pong, Ashvin Nair, Laura Smith, Catherine Huang, Sergey Levine. Offline Meta-Reinforcement Learning with Online Self-Supervision. <i>published at the International Conference on Machine Learning (ICML), 2022.</i> [website]</p>	

Kimin Lee, **Laura Smith**, Anca Dragan, Pieter Abbeel. B-Pref: Benchmarking Preference-Based Reinforcement Learning. *published at NeurIPS 2021, Datasets and Benchmarks Track*. [\[website\]](#)

Laura Smith*, Kimin Lee*, Pieter Abbeel. PEBBLE: Feedback-Efficient Interactive RL via Relabeling Experience and Unsupervised Pre-Training. *published at ICML 2021 as a long oral presentation (166/5513=3.0%)*. [\[website\]](#)

Laura Smith, Nikita Dhawan, Marvin Zhang, Pieter Abbeel, Sergey Levine. AVID: Learning Multi-Stage Tasks via Pixel-Level Translation of Human Videos. *published at Robotics Science and Systems (RSS), 2020*. [\[website\]](#)

Marvin Zhang*, Sharad Vikram*, **Laura Smith**, Pieter Abbeel, Matthew Johnson, Sergey Levine. SOLAR: Deep Structured Latent Representations for Model-Based Reinforcement Learning. *published at ICML, 2019*. [\[website\]](#)

Press Coverage

- [Robot dog learns to walk on tough terrain in just 20 minutes](#), by Alex Wilkins. New Scientist. 26 August 2022.
- [A technique that allows legged robots to continuously learn from their environment](#), by Ingrid Fadelli. Tech Xplore. 1 November 2021.
- [AVID: a framework to enhance imitation learning in robot](#), by Ingrid Fadelli. Tech Xplore. 3 January 2020.
- [Researchers develop new framework to teach robots](#), by David Curry. RTInsights. 13 January 2020.

PROFESSIONAL ACTIVITIES

Talks

- BAIR Robotics & Systems Workshop 2022
- Google-BAIR Commons Symposium 2021, 2022

Reviewing

- IEEE Robotics and Automation Letters (RA-L) 2023
- Conference on Neural Information Processing Systems (NeurIPS) 2022
Benchmarks and Datasets Track
- International Conference on Intelligent Robots and Systems (IROS) 2020, 2022
- International Conference on Robotics and Automation 2022
- International Conference on Learning Representations (ICLR) 2022
Generalizable Policy Learning in Physical World Workshop

Advising — undergraduate research

- Zhiwei Zhang
- Yiming Ni

SERVICE & OUTREACH

UC Berkeley Women in EECS, Board Member 2022 – present
Organizing events for female graduate students in computer science and engineering.

AI Research Mentoring Program, Co-Organizer 2020 – present
Coordinating a research mentoring program for underrepresented undergraduates.

Robot Learning Lab Outreach, Co-Organizer 2018 – 2020
Organized lab tours and assisted with demonstrations at large-scale events.

Upsilon Pi Epsilon, Service Committee Member 2018
Held weekly open office hours for lower-division, undergraduate CS courses.

TEACHING

Student Instructor

- *CS 189/289A: Introduction to Machine Learning* Spring 2020
- *CS 287: Advanced Robotics* Fall 2019
- *CS 188: Introduction to Artificial Intelligence* Fall 2018, Spring 2019

Course Staff (Reader, Tutor, Lab Assistant)

- *CS 70: Discrete Mathematics & Probability Theory* Spring 2018
- *CS C8: Data Science* Fall 2017
- *CS 61B: Data Structures & Algorithms* Spring 2016

Lectures

- *Imitation Learning*, CS 287: Advanced Robotics, UC Berkeley Fall 2019
- *Robotics Talk*, for CS Education Day Winter 2018
- *Artificial Intelligence (Special Topics)*, CS 10, UC Berkeley Fall 2018