

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 &amp; Coding* (A-), Convex Optimization* (A), Optimization &amp; Approximation (A+), Machine Learning (A+), Machine Learning Systems (A+), Linear System Theory (A), Real Analysis (A), Artificial Intelligence (A+), Probability &amp; Random Processes (A), Discrete Math &amp; 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"><li>• <i>National Science Foundation Graduate Research Fellowship</i>, 2020-2023</li><li>• <i>EECS Excellence Award</i>, supplementary fellowship for outstanding academic record, UC Berkeley, 2020-2021</li></ul> <p><i>Honors</i></p> <ul style="list-style-type: none"><li>• <i>CRA Outstanding Undergraduate Researcher Award Finalist</i>, awarded to roughly 20 graduating seniors in computer science from North America, 2019</li><li>• <i>NeurIPS Robot Learning Workshop Travel Award</i>, DeepMind, 2019</li><li>• <i>Upsilon Pi Epsilon CS Honors Society</i>, UC Berkeley, 2018</li><li>• <i>The Leadership Award</i>, Cal Alumni Association, 2016, 2017, 2019</li></ul>	
RESEARCH	<p><i>Graduate Student Researcher</i> <a href="#">Robotics and AI Lab (RAIL)</a>, advised by Sergey Levine Developing intelligent, autonomous systems that learn continually in the real world.</p> <p><i>Undergraduate Researcher</i> <a href="#">Robot Learning Lab (RLL)</a>, 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><b>Laura Smith*</b>, 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> [<a href="#">website</a>]</p> <p><b>Laura Smith</b>, 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> [<a href="#">website</a>]</p> <p>Vitchyr H. Pong, Ashvin Nair, <b>Laura Smith</b>, Catherine Huang, Sergey Levine. Offline Meta-Reinforcement Learning with Online Self-Supervision. <i>published at the International Conference on Machine Learning (ICML), 2022.</i> [<a href="#">website</a>]</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
- Yunhao Cao
- Stefanie Gschwind

SERVICE & OUTREACH	<b>UC Berkeley Women in EECS</b> , Board Member	2022 – present
	Organizing events for female graduate students in computer science and engineering.	
	<b>AI Research Mentoring Program</b> , Co-Organizer	2020 – present
	Coordinating a research mentoring program for underrepresented undergraduates.	
	<b>Robot Learning Lab Outreach</b> , Co-Organizer	2018 – 2020
	Organized lab tours and assisted with demonstrations at large-scale events.	
	<b>Upsilon Pi Epsilon</b> , Service Committee Member	2018
	Held weekly open office hours for lower-division, undergraduate CS courses.	
TEACHING	<i>Student Instructor</i>	
	• <i>CS 189/289A: Introduction to Machine Learning</i>	Spring 2020
	• <i>CS 287: Advanced Robotics</i>	Fall 2019
	• <i>CS 188: Introduction to Artificial Intelligence</i>	Fall 2018, Spring 2019
	<i>Course Staff (Reader, Tutor, Lab Assistant)</i>	
	• <i>CS 70: Discrete Mathematics &amp; Probability Theory</i>	Spring 2018
	• <i>CS C8: Data Science</i>	Fall 2017
	• <i>CS 61B: Data Structures &amp; Algorithms</i>	Spring 2016
	<i>Lectures</i>	
	• <i>Imitation Learning</i> , CS 287: Advanced Robotics, UC Berkeley	Fall 2019
	• <i>Robotics Talk</i> , for CS Education Day	Winter 2018
	• <i>Artificial Intelligence (Special Topics)</i> , CS 10, UC Berkeley	Fall 2018