

Annie Xie

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EDUCATION	Stanford University , Stanford, CA Ph.D. Student in Computer Science, Artificial Intelligence	2019–
	University of California, Berkeley , Berkeley, CA B.S. in Electrical Engineering and Computer Science	2019
	<i>Relevant Coursework: Causal Inference, Computer Vision, Deep Generative Models, Deep Reinforcement Learning, Linear System Theory, Nonlinear Systems, Optimization, Stochastic Processes</i>	
EXPERIENCE	Ph.D. Student , Stanford Artificial Intelligence Lab <i>Advised by Chelsea Finn</i> Developing reinforcement learning algorithms for lifelong robotic learning under non-stationarity.	2019–
	Undergraduate Researcher , Berkeley Artificial Intelligence Research <i>Advised by Sergey Levine</i> Developed meta-learning and video prediction methods for robotic vision-based control under limited human supervision.	2017–2019
	Software Engineering Intern , Vidado (formerly Captricity) Designed and built features for new AI-powered document repair service to streamline error handling in document transcription system.	2017
AWARDS	NSF Graduate Research Fellowship	2019
	NDSEG Fellowship (declined)	2019
	CRA Outstanding Undergraduate Research Award, Runner-Up	2019
	UC Berkeley EECS Honors Degree	2019
	Eta Kappa Nu EECS Honors Society	2016
PUBLICATIONS	<i>Learning Latent Representations to Influence Multi-Agent Interaction.</i> Annie Xie , Dylan P. Losey, Ryan Tolsma, Chelsea Finn, Dorsa Sadigh. Conference on Robot Learning (CoRL), 2020. Best Paper Award.	
	<i>Deep Reinforcement Learning amidst Lifelong Non-Stationarity.</i> Annie Xie , James Harrison, Chelsea Finn. LifelongML Workshop at ICML, 2020. Best Paper Award.	
	<i>Learning Predictive Models from Observation and Interaction.</i> Karl Schmeckpeper, Annie Xie , Oleh Rybkin, Stephen Tian, Kostas Daniilidis, Sergey Levine, Chelsea Finn. European Conference on Computer Vision (ECCV), 2020.	
	<i>Improvisation through Physical Understanding: Novel Objects as Tools with Visual Foresight.</i> Annie Xie , Frederik Ebert, Sergey Levine, Chelsea Finn. Robotics: Science and Systems (RSS), 2019.	
	<i>Visual Foresight: Model-Based Reinforcement Learning for Vision-Based Robotic Control.</i> Frederik Ebert, Chelsea Finn, Sudeep Dasari, Annie Xie , Alex Lee, Sergey Levine. 2018.	

Few-Shot Goal Inference for Visuomotor Learning and Planning.

Annie Xie, Avi Singh, Sergey Levine, Chelsea Finn.

Conference on Robot Learning (CoRL), 2018.

One-Shot Imitation from Observing Humans via Domain-Adaptive Meta-Learning.

Tianhe Yu, Chelsea Finn, **Annie Xie**, Sudeep Dasari, Tianhao Zhang, Pieter Abbeel, Sergey Levine.

Robotics: Science and Systems (RSS), 2018.

SKILLS Python, Java, C++, TensorFlow, PyTorch, ROS, MuJoCo, R, MATLAB, L^AT_EX

PROFESSIONAL Paper Reviewing:

SERVICE

- International Conference on Learning Representations (ICLR): 2021
- AAAI Conference on Artificial Intelligence (AAAI): 2021
- Conference on Robot Learning (CoRL): 2020
- Learning for Dynamics and Control (L4DC): 2020