YuXuan (Andrew) Liu

yuxuanliu.com
yuxuanliu@berkeley.edu

EDUCATION	**University of California, Berkeley**	
	Ph.D., Computer Science	Aug 2018 - Present
	M.S., Electrical Engineering and Computer Science	Aug 2017 - May 2018
	GPA: 4.00, Advisor: Professor Pieter Abbeel	
	B.S., Electrical Engineering and Computer Science	Aug 2014 - May 2017
	GPA: 4.00	

EXPERIENCE	**Covariant.ai**, Machine Learning Engineer	Feb 2018 - Present
	Developing AI software to teach robots new, complex skills	
	Robot Learning Lab, Researcher	Sep 2015 - Present
	Research in deep reinforcement learning with applications in robotics.	
	Quora, Software Engineer Intern	May 2016 - Aug 2016
	Designed RNN architectures for question classification.	
	Dropbox, Software Engineer Intern	May 2015 - Aug 2015
	Developed iOS extension for saving web pages as pdf.	

RESEARCH

John D. Co-Reyes*, YuXuan Liu*, Abhishek Gupta*, Benjamin Eysenbach, P. Abbeel, S. Levine
Self-Consistent Trajectory Autoencoder: Hierarchical Reinforcement Learning with Trajectory Embeddings.
In the International Conference on Machine Learning (ICML), 2018

Abhishek Gupta, Russell Mendonca, YuXuan Liu, Pieter Abbeel, Sergey Levine
Meta-Reinforcement Learning of Structured Exploration Strategies.
Preprint, under review

YuXuan Liu*, Abhishek Gupta*, Sergey Levine, Pieter Abbeel
Imitation from Observation: Learning to Imitate Behaviors from Raw Video via Context Translation.
In the International Conference on Robotics and Automation (ICRA), 2018

Abhishek Gupta*, Coline Devin*, YuXuan Liu, Pieter Abbeel, Sergey Levine
Learning Invariant Feature Spaces to Transfer Skills with Reinforcement Learning.
In the International Conference on Learning Representations (ICLR), 2017

TEACHING	**EECS Department, UC Berkeley**	
	Teaching Assistant	
	CS188, Artificial Intelligence	Jan 2017 - May 2017
	EE16A, Designing Information Devices and Systems	Jan 2016 - Dec 2016
		Aug 2017 - Dec 2017
	Deep Reinforcement Learning Bootcamp, Berkeley	
	Teaching Assistant	Aug 2017

AWARDS	**University of California, Berkeley**	
	National Science Foundation Graduate Research Fellowship	Aug 2018
	Siebel Scholar Class of 2017-2018	Aug 2017
	Outstanding Graduate Student Instructor Award	May 2017

SKILLS	python (tensorflow, pytorch, numpy), Java, Objective-C (iOS), C, C++