Soroush Nasiriany

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EDUCATION

The University of Texas at Austin
Ph.D., Computer Science   2020 – present
   Adviser: Prof. Yuke Zhu
   GPA: 4.0/4.0

University of California, Berkeley
M.S., Electrical Engineering and Computer Science   2019 – 2020
   Adviser: Prof. Sergey Levine
   GPA: 4.0/4.0

B.A., Computer Science   2015 – 2019
   GPA: 3.97/4.0

Selected coursework: Deep Reinforcement Learning, Deep Unsupervised Learning, Robot Learning, Human-Robot Interaction, Convex Optimization, Linear System Theory, Perception, Sensory-Motor Systems

RESEARCH EXPERIENCE

Robot Perception and Learning Lab (RPL), UT Austin   2020 – present
Advised by Professor Yuke Zhu
Research Focus: Robot Learning, Robot Manipulation, Imitation Learning

Robotic AI & Learning Lab (RAIL), UC Berkeley   2016 – 2020
Advised by Professor Sergey Levine
Research Focus: Deep Reinforcement Learning, Planning, Representation Learning

Molecular Cell Biomechanics Lab, UC Berkeley   2015 – 2016
Advised by Professor Mohammad Mofrad
Research Focus: NLP, Machine Learning for Health

PUBLICATIONS

Augmenting Reinforcement Learning with Behavior Primitives for Diverse Manipulation Tasks
Soroush Nasiriany, Huihan Liu, Yuke Zhu
In submission

What Matters in Learning from Offline Human Demonstrations for Robot Manipulation
Ajay Mandlekar, Danfei Xu, Josiah Wong, **Soroush Nasiriany**, Chen Wang, Rohun Kulkarni,
Li Fei-Fei, Silvio Savarese, Yuke Zhu, Roberto Martín-Martín
Conference on Robot Learning (CoRL), 2021
Oral Presentation

DisCo RL: Distribution-Conditioned Reinforcement Learning for General-Purpose Policies
Soroush Nasiriany*, Vitchyr H. Pong*, Ashvin Nair*, Alexander Khazatsky, Glen Berseth, Sergey Levine
IEEE International Conference on Robotics and Automation (ICRA), 2021

Planning with Goal-Conditioned Policies
Soroush Nasiriany*, Vitchyr H. Pong*, Steven Lin, Sergey Levine
Advances in Neural Information Processing Systems (NeurIPS), 2019

A Comprehensive Guide to Machine Learning
Soroush Nasiriany, Garrett Thomas, William Wei Wang, Alex Yang, Jennifer Listgarten, Anant Sahai
CS 189 Official Course Textbook, 2018
snasiriany.me/files/ml-book.pdf

Text Analysis and Automatic Triage of Posts in a Mental Health Forum
Ehsaneddin Asgari, **Soroush Nasiriany**, Mohammad R.K. Mofrad
NAACL-HLT Workshop on Computational Linguistics and Clinical Psychology, 2016

Teaching and Service

CS 343: Artificial Intelligence, UT Austin

CS 189: Machine Learning, UC Berkeley
Lead developer of official course guide: snasiriany.me/files/ml-book.pdf

CS 285: Deep Reinforcement Learning, UC Berkeley

Reviewer for CoRL, NeurIPS, ICRA, ICLR

Organizer of UT Robot Learning Reading

Industry Experience

Software Engineering Intern, Facebook 2017
Worked on internal Apache ZooKeeper distributed system