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 2021, NeurIPS 2021, IEEE RA-L 2021, ICLR 2022

Organizer of UT Robot Learning Reading

Industry Experience

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