

## EDUCATION

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### 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 RL, Deep Unsupervised Learning, Robot Learning, Human-Robot Interaction, Convex Optimization, Linear System Theory, Visual Perception, Sensory-Motor Systems, Grounded NLP

## RESEARCH EXPERIENCE

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### 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

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### MAPLE: Augmenting Reinforcement Learning with Behavior Primitives for Diverse Manipulation Tasks

Soroush Nasiriany, Huihan Liu, Yuke Zhu

*IEEE International Conference on Robotics and Automation (ICRA), 2022*

### 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](https://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

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**CS 343: Artificial Intelligence**, UT Austin

**CS 189: Machine Learning**, UC Berkeley

Lead developer of official course guide: [snasiriany.me/files/ml-book.pdf](https://snasiriany.me/files/ml-book.pdf)

**CS 285: Deep Reinforcement Learning**, UC Berkeley

Reviewer for CoRL, NeurIPS, ICRA, ICLR, ICML

Organizer of [UT Robot Learning Reading Group](#)

Member of admissions committee, UT Austin Computer Science Master's program

INDUSTRY EXPERIENCE

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**Software Engineering Intern, Facebook**

2017

Worked on internal Apache ZooKeeper distributed system