

## 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

## INDUSTRY EXPERIENCE

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**Research Intern, NVIDIA** June 2022 - Jan 2023  
Scaling imitation learning with automatically generated robot demonstrations

**Software Engineering Intern, Facebook** May 2017 - Aug 2017  
Managing distributed systems at scale with Apache ZooKeeper

## PUBLICATIONS AND MANUSCRIPTS

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**MimicGen: A Data Generation System for Scalable Robot Learning using Human Demonstrations**  
Ajay Mandlekar, **Soroush Nasiriany\***, Bowen Wen\*, Iretiayo Akinola, Yashraj Narang, Linxi Fan, Yuke Zhu, Dieter Fox  
*Conference on Robot Learning (CoRL)*, 2023

**Robot Learning on the Job: Human-in-the-Loop Manipulation and Learning During Deployment**  
Huihan Liu, **Soroush Nasiriany**, Lance Zhang, Zhiyao Bao, Yuke Zhu  
*Robotics: Science and Systems (RSS)*, 2023  
**Best Paper Award Finalist**

**Learning and Retrieval from Prior Data for Skill-based Imitation Learning**  
**Soroush Nasiriany**, Tian Gao, Ajay Mandlekar, Yuke Zhu  
*Conference on Robot Learning (CoRL)*, 2022

**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*

Outstanding Learning Paper

**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

**robosuite: A Modular Simulation Framework and Benchmark for Robot Learning**

Yuke Zhu, Josiah Wong, Ajay Mandlekar, Roberto Martín-Martín, Abhishek Joshi, Soroush Nasiriany, Yifeng Zhu

Technical report, 2020

**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, ICRA, NeurIPS, ICLR, ICML, IROS, IJRR

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

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