

Ruihan Zhao (Philip)

✉ ruihan.zhao@utexas.edu | ☎ 510-725-5978 | 🏠 philipzrh.com

EDUCATION

The University of Texas at Austin

PhD, Electrical and Computer Engineering

Austin, TX

Aug. 2021 –

University of California, Berkeley

MS, Computer Science; BA, Computer Science & Applied Mathematics

Berkeley, CA

Aug. 2016 – May 2021

SELECT PUBLICATIONS

Human-Agent Coordination in Games under Incomplete Information via Multi-Step Intent

*Shenghui Chen, *Ruihan Zhao, Sandeep Chinchali, Ufuk Topcu

🔗 *In Submission*

Learning Sparse Control Tasks from Pixels by Latent Nearest-Demonstration-Guided Explorations

Ruihan Zhao, Ufuk Topcu, Sandeep Chinchali, Mariano Phielipp

🔗 *CoRL 2024*

PEERNet: An End-to-End Profiling Tool for Real-Time Networked Robotic Systems

Aditya Narayanan, Pranav Kasibhatla, Minkyu Choi

Po-han Li, Ruihan Zhao, Sandeep Chinchali

IROS 2024

Reduce, Reuse, Recycle: Categories for Compositional Reinforcement Learning

Georgios Bakirtzis, Michail Savvas, Ruihan Zhao, Sandeep Chinchali, Ufuk Topcu

ECAI 2024

Plan Diffuser: Grounding LLM Planners with Diffusion Models for Robotic Manipulation

*S P Sharan, *Ruihan Zhao, Ufuk Topcu, Zhangyang Wang, Sandeep Chinchali

🔗 *CoRL 2023 WS*

Task-aware Distributed Source Coding under Dynamic Bandwidth

*Po-han Li, *Sravan Kumar Ankireddy, Ruihan Zhao, Hossein Nourkhiz Mahjoub

Ehsan Moradi Pari, Ufuk Topcu, Sandeep Chinchali, Hyeji Kim

🔗 *NeurIPS 2023*

Poisoning Attacks Against Data-Driven Predictive Control

Yue Yu, Ruihan Zhao, Sandeep Chinchali, Ufuk Topcu

🔗 *ACC 2023*

Class-Aware Adversarial Transformers for Medical Image Segmentation

Chenyu You, Ruihan Zhao, Fenglin Liu, Siyuan Dong,

Sandeep Chinchali, Ufuk Topcu, Lawrence Staib, James S. Duncan

🔗 *NeurIPS 2022*

Contrastive Pre-training and Data Augmentation for Efficient Robotic Learning

*Albert Zhan, *Ruihan Zhao, Lerrel Pinto, Pieter Abbeel, Michael Laskin

🔗 *IROS 2022*

Hierarchical Few-Shot Imitation with Skill Transition Models

*Kourosh Hakhamaneshi, *Ruihan Zhao, *Albert Zhan, Pieter Abbeel, Michael Laskin

🔗 *ICLR 2022*

Efficient Empowerment Estimation for Unsupervised Stabilization

Ruihan Zhao, Kevin Lu, Pieter Abbeel, Stas Tiomkin

🔗 *ICLR 2021*

EXPERIENCE

Intel Labs | *Deep Reinforcement Learning Intern*

June 2021 – August 2021

- Applied self-supervised learning algorithms for vision-based deep RL for robot manipulation.

ACADEMIC SERVICE

- Reviewer: NeurIPS 2024, ICML 2024, ICLR 2024, ICRA 2024, NeurIPS 2023, CASE 2023, NeurIPS 2022

SKILLS

- PyTorch • TensorFlow • JAX • Sklearn • CVXPY • OpenCV • ROS • Large Language Models • Diffusion Models