

Zhiyu Zhang

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RESEARCH INTEREST

Adaptive online learning, with applications in system control and robotics.

EMPLOYMENT

Harvard University

Postdoctoral Fellow, hosted by Heng Yang

09/2023 – Present

EDUCATION

Boston University

PhD, Systems Engineering, advised by Ioannis Paschalidis and Ashok Cutkosky

09/2018 – 08/2023

Tsinghua University

BEng, Mechanical Engineering

09/2014 – 06/2018

Delft University of Technology

Exchange Student, Control Engineering

09/2016 – 02/2017

PUBLICATION

Unconstrained Dynamic Regret via Sparse Coding

Zhiyu Zhang, Ashok Cutkosky, Ioannis Paschalidis

Preprint

Optimal Comparator Adaptive Online Learning with Switching Cost

Zhiyu Zhang, Ashok Cutkosky, Ioannis Paschalidis

NeurIPS 2022

PDE-Based Optimal Strategy for Unconstrained Online Learning

Zhiyu Zhang, Ashok Cutkosky, Ioannis Paschalidis

ICML 2022

Adversarial Tracking Control via Strongly Adaptive Online Learning with Memory

Zhiyu Zhang, Ashok Cutkosky, Ioannis Paschalidis

AISTATS 2022

Provable Hierarchical Imitation Learning via EM

Zhiyu Zhang, Ioannis Paschalidis

AISTATS 2021

AWARD

Top reviewer awards (~10%) at AISTATS 2022, ICML 2022, NeurIPS 2022

Dean's Fellowship

College of Engineering, Boston University

2018 – 2019

Scholarship for Distinction in Academics

Tsinghua University

2014 – 2017

Scholarship for Outstanding Exchange Students

China Scholarship Council

2016

SERVICE

Conference reviewer: AISTATS 2021-2023, ICML 2022-2023, NeurIPS 2022-2023, ALT 2023.

Subreviewer: NeurIPS 2020, L4DC 2020.

Journal reviewer: IEEE Transactions on Robotics, Journal of Machine Learning Research.

Teaching Assistant

Boston University

2020 – 2021

- EK 381: Probability, Statistics, and Data Science for Engineers
- ME 366: Probability and Statistics for Mechanical Engineers
- ME 404: Dynamics and Control of Mechanical Systems

BU RISE program mentor

Boston University

Summer 2019

- Summer research program for high school students.