

DAN HARAMATI

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M.Sc. student at the Technion studying structure in reinforcement learning for generalization.

Education

Technion - Israel Institute of Technology

Oct 2022 - Aug 2024

M.Sc. in Electrical and Computer Engineering

GPA: 96.8/100

- Advised by Prof. **Aviv Tamar**
- Thesis: "Entity-Centric Reinforcement Learning for Object Manipulation from Pixels"
- Supported by the Kenneth and Gloria Levy Excellence Scholarship

Technion - Israel Institute of Technology

Oct 2017 - Mar 2022

B.Sc. in Electrical Engineering and Physics

GPA: 90.5/100

- Supported by the Alfred and Anna Grey Excellence Scholarship

Professional Experience

RL² Lab, Technion

Jun 2022 – Sep 2022

Deep Reinforcement Learning and Robotics Research Internship

- Advised by Prof. **Aviv Tamar**
- Researched goal-conditioned exploration methods in a robotic object manipulation environment

Intel Corporation

Nov 2020 – Mar 2022

Core Logic Design Engineer

Part-time

- Hardware logic algorithm designer for the Intel Core
- Co-author of "Priority Based Hardware Thread Selection – A High Performance Scalable Algorithm", DTTC 2022 (Intel Internal Conference)

Teaching

Unsupervised Learning and Data Analysis - Technion Course 046202

Oct 2022 – May 2024

Teaching Assistant to Prof. Ron Meir

- Advanced machine learning course (advanced undergraduate and graduate level)
- Wrote content and updated the course material on Variational Autoencoders and Graph Neural Networks

Publications

Entity-Centric Reinforcement Learning for Object Manipulation from Pixels

Dan Haramati, Tal Daniel, Aviv Tamar. ICLR 2024 - [Spotlight \(top 5%\)](#)

GCRL Workshop at NeurIPS 2023 - [Spotlight Talk](#)

Workshop Papers

Object-centric Generative Modeling for Decision Making with Deep Latent Particles

Tal Daniel, Dan Haramati*, Aviv Tamar. GenAI4DM Workshop at ICLR 2024 (* indicates equal contribution)*

Honors and Awards

Kenneth and Gloria Levy Excellence Scholarship

M.Sc. at Technion - Apr 2024

Apple Excellence Award

M.Sc. at Technion - Jan 2023

Dean's Excellence Scholarship

M.Sc. at Technion - Oct 2022

Alfred and Anna Grey Excellence Scholarship

B.Sc. at Technion - Oct 2017

Volunteering

All Hands and Hearts (NGO)

2015 - 2017

Disaster Relief Volunteer

Part-time

- Volunteered in several disaster relief projects for rebuilding homes and public constructions in natural disaster struck areas: The Philippines Typhoon Relief, Nepal Earthquake Relief, Mexico Earthquake Relief, Peru Flood Relief.