Dan Haramati

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PhD student at Brown University studying structure in sequential decision-making for generalization.

Education

Brown University **Sep 2024 - Present**
PhD in Computer Science
- Advised by Prof. **George Konidaris**

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

RL^2 **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.