## Osher Azulay

Passionate Roboticist

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2020 - Present	Ph.D., Mechanical Engineering, Tel Aviv University Research Area: Learning In-Hand Perception and Manipulation with Adaptive Robotic Hands			
2018 - 2020	M.Sc., Mechanical Engineering, Ben Gurion University Outstanding students program (93.8/100 GPA) Thesis: Wheel Loader Scooping Controller Using Deep Reinforcement Learning			
2015 - 2019	B.Sc., Mechanical Engineering, Ben Gurion University  Graduated with honors (90.1/100 GPA)  Certificate of achievement: 2017-2018, 2018-2019			
Work Experie	ence			
2020 - Present	Graduate Researcher, ROB-TAU Robotics Lab, Tel-Aviv University  • Research of machine learning and planning algorithms for in-hand robotic manipulations			
2018 - 2020	Student Researcher,  BGU Robotics Control Lab, Ben-Gurion University  • Design and control of autonomous custom-built wheel loader using reinforcement learning			
2016 - 2018	Research Assistant, BGU Robotics Control Lab, Ben-Gurion University  • Worked on various ROS based robotic platforms, including robotic arms and mobile robots			
Teaching Exp	perience			
Spring 2022	Robotics and control lab, Designed and created course material, Mech Eng., Tel-Aviv University			
Fall 2020 & 21	Intro to control theory, Teaching Assistant, Mech Eng., Tel-Aviv University			
Spring 2019	Intro to Electrical Engineering, Teaching Assistant, Mech Eng., Ben-Gurion University			
Fall 2019	C Programming, Teaching Assistant, Mech Eng., Ben-Gurion University			
Fall 2018	Intro to Mechanical Engineering, Lab Instructor, Mech Eng., Ben-Gurion University			
Publications				
	ulay, O., Ben-David, I. & Sintov, A. Learning h Underactuated Robotic Hands (Under Re	-	ased Object Pose Estimation for In-hand Manipulation <i>EE Robotics and Automation Letters</i> (2022).	
	<b>Lalay, O.</b> & Shapiro, A. Wheel Loader Scooping Controller Using Deep Reinforcement Learning. <i>IEEE Access</i> 24145–24154 (2021).			
I -	nani, E., <b>Azulay, O.</b> , Gurevich, A. & Sintov, nulations. <i>Data-Centric AI workshop, NeurIP</i>	-	-Sourcing Generative Models for Data-driven Robot 21).	
Skills	kills		Talks & Recognition	
Programming	Python, MATLAB, C/C++	2022	Invited to talk at the annual meeting for Motion	
Tools & libraries	ROS, Gazebo, PyTorch, TensorFlow, OpenCV, Git	2021	Control and Automation, Expo, Tel Aviv   BrainStromIL Hackathon First Place, Awarded 1	
Engineering	Solidworks, Microcontrollers and Mechatronics		among more than 30 teams	