

Osher Azulay

052-4744940 

azulayosher@gmail.com 

[LinkedIn](#) 

[GitHub](#) 

I'm a passionate roboticist pursuing my PhD studies in Mechanical engineering. My interests include dynamic manipulations, intelligent decision making, and machine learning. With this, I hope to make significant contributions to the field of advanced autonomous robotic systems.

Experience

2020 – PRESENT

**Graduate Researcher, Robotics Lab /
Mechanical Engineering Dept, Tel-Aviv University**

- Research and development of machine learning and planning algorithms for in-hand robotic manipulations.

2018 – 2020

**Student Researcher, Robotics & Control Lab /
Mechanical Engineering Dept, Ben-Gurion University**

- Design and control of autonomous custom-built wheel loader using reinforcement learning.

2016 – 2018

**Research Assistant, Robotics & Control Lab /
Mechanical Engineering Dept, Ben-Gurion University**

- Worked on various ROS based robotic platforms, including robotic arms and mobile robots.

Teaching

2020 – 2021

**Teaching Assistant /
Mechanical Engineering Dept, Tel-Aviv University**

- Taught undergraduate students the course of intro to control theory.

2018 – 2020

**Teaching Assistant /
Mechanical Engineering Dept, Ben-Gurion University**

- Taught undergraduate students the following courses:
Intro to Electrical Engineering and C Programming.

Education

2020 - PRESENT

**Ph.D., Mechanical Engineering /
Tel Aviv University**

- [ROB-TAU Robotics Lab](#).
- Supervision – Dr. Avishai Sintov.

2018 - 2020

**M.Sc., Mechanical Engineering /
Ben Gurion University**

- Honors Scholar (93.8 Avg).
- [BGU Robotics & Control Lab](#).
- Supervision - Prof. Amir Shapiro.

2015 - 2019

**B.Sc., Mechanical Engineering /
Ben Gurion University**

- Graduated with honors (90.1 Avg).
- Certificate of achievement:
2017-18 & 2018-19.

Publications

- O.Azulay and A.Shapiro "Wheel loader scooping controller using deep reinforcement learning". IEEE Access, 2021, 9: 24145-24154.
- O.Azulay and A.Sintov "Affordable Tactile Perception for 3D-Printed Robotic Hands" In-preparation, RA-L 2021

Skills

Technical Skills

- Programming - C, C++, Python, MATLAB, ROS, Arduino TensorFlow and PyTorch
- Solidworks
- Microcontrollers and Mechatronics

Language

- English – Fluent
- Hebrew - Native

Personal Skills

- Extremely motivated, fast learner that strive for excellence.
- Innovative and analytical thinker.
- Great interpersonal relationship.