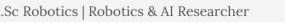
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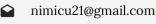
M.Sc Robotics | Robotics & AI Researcher

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in Linkedin









ABOUT

Passionate M.Sc. in Robotics student driven by a fervor for technology and science, with a strong focus on algorithms and deep learning for autonomous systems. A dedicated team player with exceptional communication skills, a quick learner, and committed to continuous improvement.

RESEARCH EXPERIENCE & ACADEMY

2022-Present

M.Sc in Robotics, Mechanical Engineering, Tel Aviv University

• GPA 95/100

Research Area:

- Learning tracking skills from human demonstrations across robots.
- Human-Robot Interaction and perception for smart exoskeleton (ICRA2024 workshop).

From initial research and solution design to final implementation and development of deep learning algorithms.

Research Assistant at Tel-Aviv University's Robotics Lab | web

Learning in-hand perception and manipulation with robotic hands and sim2real

- 1. *Azulay, O., *Curtis, N., Sintov, A., *Mizrahi, A., (2023). Augmenting Tactile Simulators with Real-like and Zero-Shot Capabilities. ICRA 2024 | arXiv.
- 2. Azulay, O., Curtis, N., Sintov, A et al. (2023). AllSight: A Low-Cost and High-Resolution Round Tactile Sensor with Zero-Shot Learning Capability. IEEE RAL | arXiv. *Equal contribution

2018-2022

B.Sc, Mechanical Engineering, Tel Aviv University

Developed an autonomous mobile robotic cart

SW: python, C/C++, ROS | HW: Nvidia Jetson nano, Arduino Mega.

Demonstrating robotics knowledge, software engineering, and hardware integration to solve a real-world problem. (Outstanding project acheivment).

Relevant Coursework: Deep learning | , SLAM and perception for autonomous navigation | , Computer Vision, Human-Robot Interaction, Introduction to Robotics (+Lab), Control theory, Systems Dynamics and Control, Computational Intelligence

PROFESSIONAL EXPERIENCE

2022-Present

Course Instructor - Computational Intelligence

Designed and delivered hands-on python exercises covering topics such as genetic algorithms for optimization, fuzzy logic and intro to ML & DL

2020-2022

Integration Engineer, Indoor Robotics

Build, operate and design tests of autonomous drones and docking systems. Applied electronics expertise, optimized processes, and leveraged lab experience.

IDF MILITARY SERVICE

Combat Service in the Submarine Unit | Sergeant major

2012-2016

- Commander at the unit training course
- Contributed in a combat position within the Submarine's Weapons Department.
- Outstanding cadet in the submarines training course (Class 103)

SOFTWARE AWARDS INTEREST • Robotics Awarded the Faculty Scholarships for M.Sc Programming Python, C++, MATLAB • Deep learning excellence (2024) PyTorch, OpenCV • Computer vision Tools & libraries Git, Linux, ROS(1/2) • Human-Robot Interaction LANGUAGE • Perception Hebrew - Native Solidworks, 3D Engineering printing, Mechatronics English - Excellent