

# ELIRAN ITZHAK

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- ✓ MSC and BSC degrees, **Industrial Engineering & Management**, Ben-Gurion University of the Negev.
- ✓ Experienced in **Data Analysis, Machine Learning, Intelligent Systems**.
- ✓ Hardworking engineer, Fast learner with strong technical capabilities, Devoted team player.
- ✓ **Interested in bringing my knowledge and motivation into the next job in the Data Field.**

## EDUCATION

2020 – 2022 **M.Sc.**, Ben-Gurion University of the Negev.

**Industrial Engineering and Management, Intelligent Systems.**

- ✓ **Thesis work:** Development of polite robots and evaluation in real world scenarios.
- ✓ Collect and Analyze datasets to gain a deep understanding of user behavior.
- ✓ Design and analyze statistical tests to guide understand the effect on the human robot interaction.
- ✓ Produce useful insights from data.

2016 – 2020 **B.Sc.**, Ben-Gurion University of the Negev.

**Industrial Engineering and Management, Information Systems.**

2010 – 2012 **Practical Architecture Engineer**, ORT College, Rehovot.

## WORK EXPERIENCE

2019 – 2022 **Research Assistant**, Intelligent Robotics Laboratory.

- ✓ Development and design of experimental robotic system.
- ✓ Statistical experimental plan and analysis execution.
- ✓ Ongoing technical assistance: development, installation, execution, statistical analyses.

2016 **General worker**, Unilever Israel.

- ✓ Production work in fields of machinery, packaging, testing, product quality control.

## PUBLICATIONS

August 2022. **Politeness in Human–Robot Interaction: A Multi-Experiment Study with Non-Humanoid Robots.** *International Journal of Social Robotics.*

March 2021. **Exploratory evaluation of politeness in human-robot interaction.** *Workshop International Conference on Social Robotics (ICSR'19), Madrid, Spain.*

February 2019. Gerontology Technology for the Elderly Conference: **Presentation of research work in the field of HRI.**

## MILITARY SERVICE

2012 – 2015 **Practical architecture engineer**

- ✓ Field measurements, preparation of building permits, work plan, cost estimation.
- ✓ integration with professionals from various discipline responsibility, teamwork.

## PROFESSIONAL SKILLS

**Programing Languages:** Python, SQL, JavaScript.

**Technological Skills:** SQL Server, Office software's, Linux, ROS, RStudio, LABVIEW, HTML, PHP, PyCharm, Google Colab, Google bigQuery, AUTOCAD.

**Automation Skills:** Robotics, sensors.

## COMMUNITY VOLUNTEERING

2018 **Municipal nursing home:** Staff assistance.

2017 **Perach program:** Mentoring at risk youth at the 'Beit Samuel' Youth Day-Center.

## LANGUAGES

Hebrew - mother tongue | English - high level.