

Ronel Herzass

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PROFESSIONAL EXPERIENCE

Technoda Medicine and Science Museum - Science Instructor

September 2023 – Present

- Science group instructor for the morning program
- Introduction to computers and cyber class teacher for the afternoon program

Ariel University - Research Assistant

The Schlesinger Accelerators Center - Prof Fridman Aharon

May 2024 – September 2024

- Assisting a postdoctoral researcher in developing simulations for electron behavior in Free Electron Lasers (FEL) by translating Python code into C++.
- Assisting in maintaining the electron accelerator, including routine tasks to ensure optimal performance and safety.

Research Lab, Batteries and Motor Efficiency - Prof Averbukh Moshe

September 2023 – May 2024

- Research assistant in a laboratory researching the SOC SOH of batteries and motor efficiency.
- Designed and built a custom PCB board to interface with an Arduino, creating an automated switching system for a battery charging device.
- Contributed to developing a MATLAB program for analyzing motor parameters.

Scholarship Program, Ariel University - Tutor.

September 2023 – September 2024

- Assisting students in understanding complex topics, improving academic performance, and developing problem-solving skills through online and in-person tutoring sessions.

EDUCATION

University of Ariel - Electrical Engineering.

2022 – PRESENT

VOLUNTEER EXPERIENCE

Microsoft Student Ambassador Program

2022 – 2023

MILITARY SERVICE

Israeli Air Force - Spokesperson Unit

2017 – 2020

- Planned and promoted strategic media plans
- Served as the assistant to the Head of Operational Media Coverage
- Strengthened the bond between the IAF and the media as the spokesperson of the IAF technical branch

ADDITIONAL SKILLS

- Languages: English (mother tongue), Hebrew (mother tongue)
- Programming languages: C++, Python, MATLAB, Arduino
- A creative, analytical, proactive, and motivated individual
- Excellent interpersonal communication