Rotem Eliyahu-Cohen

Motion and Control Engineer

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Tel Aviv District

Multidisciplinary Motion and Control Engineer with a strong background in experimental procedures and project design. Experienced in streamlining automated manufacturing lines from conception to implementation. Skilled in problem-solving, and delivering high-quality solutions in fast-paced environments.

EXPERIENCE

2022 - Present

R&D Motion and Control Engineer - Redefine Meat, R&D

Part of the R&D team responsible for the newest cutting-edge technology, including 3D printers that create the plant based 'New Meat'.

- PLC programing & HMI design. In charge of control systems including motion control, continuous accurate sensor readings, heaters temperature control and multiple pumps operation.
- Implementing systems, both locally and at the company's factory in Europe, including onsite support.
- Bring-up of automated manufacturing lines from conception to implementation.

2021 - 2022

Integrator - Redefine Meat, R&D

A part time student position.

- Operated the 3D printer operator regarding day to day use.
- In charge of experiment design, execution, and analysis.
- Creating protocols and detailed reports to improve production value and ease of use.

2020 - 2021

Program manager, "Learning Together" - Afeka Academic College of Engineering

Established in 2020 helping first year students acclimate both socially and academically.
I was in charge of structuring and managing the implementation of the program including:

- Short- and long-term scheduling
- Connecting students to relevant tutors/mentors.
- Creating targeted study groups.

EDUCATION

2019-2022

BSc, Mechanical Engineering -Afeka Academic College of Engineering

Part of the "SmartUp" excellence program from 2020-2022.
Final project was done in collaboration with the Israeli Navy (details are classified).

SKILLS

- PLC Programming
- HMI design
- Communication protocols
- Ladder logic
- C++
- Automation
- Graphical User Interface (GUI)
- MATLAB
- SQL

English- High level
Hebrew- Native