

# Bar Nachmias Avraham

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## Summary

Chemical Engineering graduate with a focus on process optimization. Deeply passionate about integrating process engineering with system control to drive practical innovation.

## Education

2019–2023 **B.Sc in Chemical Engineering**, *Shenkar - Engineering. Design. Art.*

- Grades Avg. – 92
- Completed 1st and 3rd years with honors.
- Final project: Optimization of the water hardening process for "Via Maris" desalination plant, implementing solutions that significantly enhanced operational efficiency, reduced resource waste, and saved substantial annual expenses.

## Work Experience

2023 **R&D Engineer**, *Via Maris Desalination Ltd., Palmachim Industrial Zone*

- Oversaw system logging process-related data
- Analyzed data to enhance efficiency and cut expenses.

2022–2023 **Exercise Tester, Thermodynamics 1 and 2**, *Shenkar College*

- Conducting weekly tests for student exercises on topics related to the energy field.

2022 **Quality Assurance Technician**, *Via Maris Desalination Ltd., Palmachim Industrial Zone*

- Quality tests for desalinated water compliance and documenting results.

2016–2020 **Security Inspector**, *Ministry of Defense Crossing Points Authority, Hashmonaim crossing*

- Managed video monitoring systems and security personnel.
- Completed X-ray technology detection course.

## Military Service

2014–2016 **Operations Sergeant**, *Hebron, West Bank*

- Managed operations room, reported live to relevant parties during emergencies.

## Skills

- Software: Microsoft Office, Matlab, Unisim, Simulink, Python, AutoCAD.
- Abilities: Problem-solving, analytical thinking, conflict resolution.

## Languages

- Hebrew (Native)
- English (Fluent)