

Bar Nachmias Avraham

☎ 052-4575712
✉ Bar1000na@gmail.com

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)