Omer Mazaltarim

054-4782862 | mazaltarimomer@gmail.com | LinkedIn

Summary

B.Sc. Mechanical Engineering graduate seeking a full-time position.

- Dedicated self-learner driven by curiosity.
- Experienced with SolidWorks and Ansys in academic projects.
- Focused on flow and heat transfer analysis.

Technical skills

CFD & Heat Transfer: Ansys| **CAD**: SolidWorks| **Programing:** MATLAB, Python, Arduino IDE|

Hands-On: Soldering |Microsoft Office suite

Education

B.Sc. in Mechanical Engineering, Tel Aviv University   2020-2024

Academic projects

Automated motorcyclist's emergency beacon– Final project   2023-2024

- Programming components using Arduino IDE
- Soldering electrical components
- Stress analysis and design using SolidWorks Simulations

Airfoil performance analysis   2024

Final Project in Numerical Simulation to Heat Transfer and flow course

- Airfoil performance analysis at different angles of attack
- Performance comparison between airfoil with and without high-lift devices
- Applying different turbulent models
- Main tool: ANSYS Fluent

Courses

- **Flow & Heat Transfer**: Numerical simulations of flow and heat transfer, Heat Transfer, Gas Dynamics, Into to Aerodynamics, Introduction to propulsion
- **Design:** SolidWorks, Preliminary design of air vehicle, Design of plastic parts
- **Programming:** Python

Languages

English: Proficient | **Hebrew:** Native| **French:** Basic

Military Service

XO radiomen & Battalion safety coordinator, Infantry squad leader academy   2016-2018

Infantry man, Nahal Brigade   2015-2016