

ABOUT ME

Experienced Finite Elements (FEM) analyst with **4 years** of experience in the aerospace division of an international defense company.

Proficient in **ANSYS** with expertise in optimization, modal analysis, random analysis, static analysis, linear, and non-linear analysis.

WORK EXPERIENCE

[2019 – Current]

Dynamic and Structural Analyst (FEM/CAE)

Elbit Systems

1. Utilized **ANSYS** software for the majority of work
2. Responsible for:
 - a. Conducting structure optimization and modal analysis for **aerospace** products developed for industry leaders such as Boeing, Lockheed Martin, and the Israeli Air Force, as well as various R&D projects.
 - b. Performing fatigue calculations to ensure product durability and safety
 - c. Working on the development of displays and computer units for fighter jets and helicopters
3. Conducted calibration of analyses through **engineering tests** such as shaker table and modal hammer tests
4. Conducted signal processing (**Matlab**) of field measurements, including flight measurement tests and drop tests, to analyze and interpret test data

EDUCATION AND TRAINING

[2017 – 2021]

Mechanical Engineer BS.c.

The Technion

Field(s) of study: Energy, Vibration

Final grade: 84

1. Achieved Dean's List twice
2. Final project: leading a team in developing a Vertical Axis Wind Turbine (VAWT) that generates purified water.
3. Strong academic performance in key coursework including Dynamics and Mechanics of Vibration (87), Heat Transfer (98), Computational Fluid Dynamics (98), Mechanical Design 1 (90), Engineering Design by Computer (96), and Introduction to Control (85).

DIGITAL SKILLS

ANSYS (Mechanical) | Matlab (signal processing) | Solidworks

MILITARY EXPERIENCE

Combat Soldier and Commander, Palsar 7

1. Led a team of 15 soldiers in planning and executing special and complex operations, requiring strong leadership, communication, and problem-solving skills.
2. Developed the ability to work under pressure and manage multiple priorities in a dynamic environment.

Completed a 1.2-year pilot training program

developing strong attention to detail, critical thinking

HOBBIES AND INTERESTS

Carpentry work

Free Diving