



Tel-Aviv, Israel

Email

gal-ben

GGAALL98

# Gal Ben

Mechanical Engineering Student

Innovating the world of control systems

## Awards

**Military Excellence Certificate** October 2019

Israel Defense Forces

For excellence and contribution to operational activities in North Training Base 8221

## Certifications

**CSWA** 2022

Dassault Systèmes

Certified SOLIDWORKS Associate

**RF Course** 2019

Interlligent

**Radio Technician** 2018

Israel Defense Forces (IDF)

## Languages

**Hebrew** Native Speaker

**English** Fluent  
(Completed a private English-speaking course with Yoel Geva in 2021.)

**Filipino** Beginner  
(Private lessons.)

## Summary

Fast learner with a strong engineering mindset, capable of quickly understanding complex systems and turning ideas into practical solutions. Skilled in problem-solving, optimizing designs, and pushing the boundaries of innovation with a hands-on approach.

## Professional Experience

**Lab Assistant** 2025–Present

Active Wave Control Lab, Tel-Aviv University, Tel-Aviv, Israel (<https://www.active-wave-control-lab.com>)

Assisting in real-time wave control experiments and HIL testing. Supporting lab setup, equipment maintenance, and documentation of results.

**Final Project Student** 2025–Present

Active Wave Control Lab, Tel-Aviv University, Tel-Aviv, Israel (<https://www.active-wave-control-lab.com>)

Developing a real-time wave control system in one-dimensional waveguides using MATLAB/Simulink and Speedgoat HIL testing. Focusing on modeling wave dynamics, implementing control strategies, validating experiments, and documenting results in LaTeX.

## Ecommerce, IT & Engineering Specialist

Ranor Lighting Design, Tel-Aviv, Israel (<https://ranor-lighting.com/>)

Managed web and ecommerce stores, overseeing daily operations. Provided security consultations, administered storage solutions, managed user endpoints, optimized web shop ads and analytics, collaborated on 3D designs, authored professional articles, and acted as a seller in the store.

**Radio Technician** 2017–2020

Israel Defense Forces (IDF), Israel

Specialized in RF systems for personnel and vehicle communications, including ROIP and VOIP technologies. Provided IT support, managed inventory and warehouse operations, planned and executed multimedia events, and operated drones for videography and mapping purposes.

## Education

**B.Sc. Mechanical Engineering** 2022–2026

Tel Aviv University, Israel (<https://english.tau.ac.il/>)

Bachelor of Science in Mechanical Engineering

**RF Course** 2019

Interlligent, Israel (<https://www.int-rf.com/>)

**Tactical Radio Technician Course** 2018

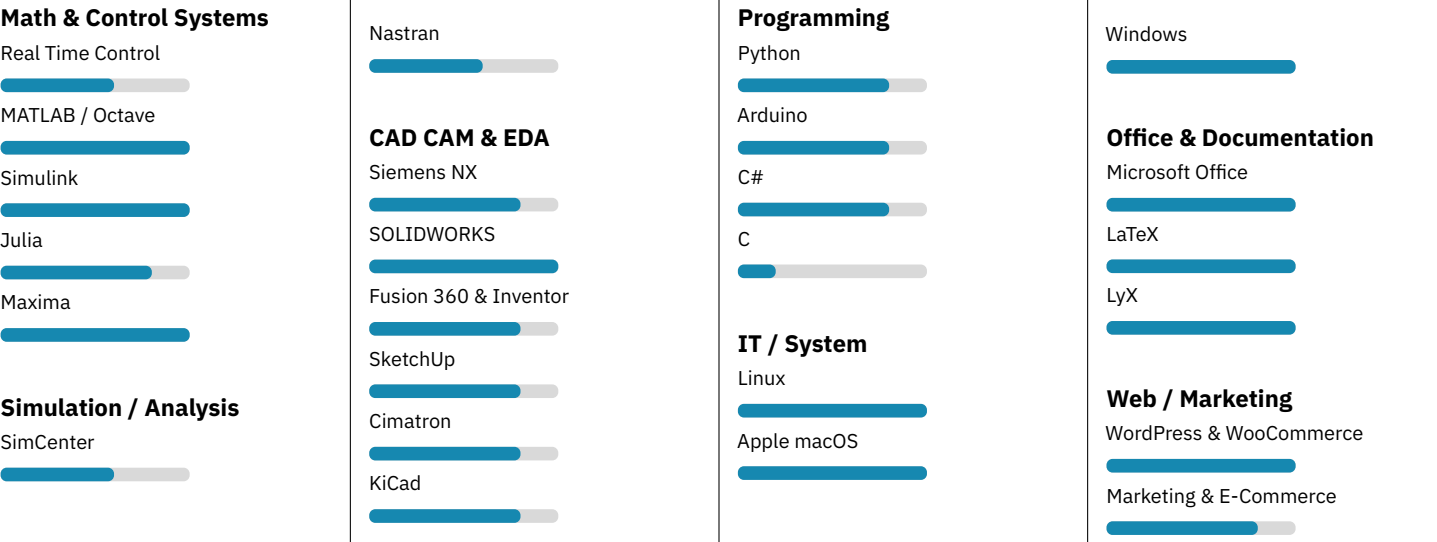
Israel Defense Forces (IDF), Israel

**High School** 2014–2017

Ort Ebin, Tel-Aviv, Israel (<https://ebin.ort.org.il/>)

Specialization in Computer Science & Physics, Arabic Language Studies.

Skills



Selected Projects

<div><div>Mechanical Watch Design</div><div>Bespoke Design Project</div><div>Designed a mechanical watch, emphasizing precision and aesthetics. Used CAD software for design and integrated mechanical components.</div></div>	2024
<div><div>Janko Keytar Design</div><div>Bespoke Design Project</div><div>Designed a custom keytar based on the rare Janko piano layout. Integrated electronics and self-developed circuits.</div></div>	2024
<div><div>Tensegrity Floating Table</div><div>University Project</div><div>Contributed to the design of a metal tensegrity-inspired floating table. Managed assembly, static calculations, and simulations.</div></div>	2023, 2025