

OHAD FORMAN

B.SC ELECTRICAL AND ELECTRICITY ENGINEERING AND PHYSICS

CONTACT

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PROFILE

Graduate at Sep' 23 from TAU with a B.Sc in Electrical and Electronic Engineering and Physics, I am now looking for a new role. While progressing with my professional career I will be continuing my development with a part-time master's programme studying Physics which is due to start in Oct' 23.

EDUCATION

B.sc Electrical and Electricity Engineering and Physics Tel-Aviv University 2018-2023
GPA - EEE: 84, Physics: 80

- Main path** - Electromagnetic waves and Radiation & Control systems

Final project EEE - Observation and gun post simulator and feedback design of a gun and observation post based on Newton's dynamics equations in Simulink. Design of a feedback system to handle disturbances and non-linear effects of the real-world system.

- 9 lab courses** - 5 Physics, 3 Electronics, 1 advanced Microwave.
Pre-reports include theoretical preparation and simulations.
Post-reports include data analysis, theory-measurement comparison, and conclusions.
- Measurement Device experience** -
 - VNA
 - Spectrum Analyzer
 - Scops
 - complex physics experiments -
BB84 protocol, quantum encryption, optic devices
NMR - TeachSpins's PS1-A system
Fabry Perot optic devices

PROJECTS

- Radiation Pattern, slotted waveguide antenna. simulation and measurements-**
simulation of the fields with MATLAB antenna package measurement of the radiation patterns using 2 antennas, a signal generator, a Signal analyzer.
- T-junction waveguide with impedance matching elements simulations** -
build and simulate using CST .
- Passive circuits design and simulation** -
theoretical planning simulation using ANSOFT DESIGNER.
- QFT** - planning a controller for a plant with uncertainty using QFT methods.
- Binary eclipse simulator** - calculate and visualize binary eclipse system luminosity measurements using MATLAB .
- BB84 protocol APP** - build an app based on MATLAB to simulate the communication using BB84 protocol for quantum encryption. validate the results of a lab experiment on this communication.

EXPERIENCE

Welder	Eitan Gayer Workshop Freelance Welder Design and build metal, wood, and plastic combination structures	Kibbutz Hulda	2016-2018
Pre-Army instructor	Ahary Mental and fitness training for teens in boarding school "Mikve Israel" Holon		2017-2018

MILITARY SERVICE

- Platoon Sergeant** - IDF , Combat engineering , 601 2013-2016
Excellent Commander "Utniel" line
- Active reserves** - Soldier, Combat engineering 2016-ongoing

LANGUAGES

- Hebrew
- English

SKILLS

- MATLAB & SIMULINK
- PYTHON
- C
- ANSOFT DESIGNER
- PSPIICE