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- **B.Sc. in Electrical engineering from Ben-Gurion University, specialization in the fields of microelectronics, VLSI and power systems.**

Professional experience

- ❖ 2022-2024: **SolarEdge - R&D Hardware Power Engineer.**
 - Designing, simulating, developing, testing, and improving DC-DC converters.
 - Component research and selection considering datasheet info, size, cost, manufacturer.
 - Working with modern circuit design tools - Cadence Allegro Schematic Design and Allegro PCB layout.
 - Deep understanding of inductors, transformers, MOSFETs, their characteristic, technical limitations.
 - Hand-on experience working with lab equipment such as Scope, Signal generator, power supply, E.load, DMM, and soldering.
 - EMC testing according to international standards.
 - Taking part in electrical schematics of PCBs and board layout guiding working with suppliers, vendors.
- ❖ 2020-2022: **Nova Ltd - System integration engineer** - full integration of Nova's advanced measurement systems, troubleshooting, creation of new test plans and Inventory management.

Education

- ❖ 2013-2019: **B.Sc** in Electrical engineering from Ben-Gurion University of the Negev. Extensive knowledge in: **Analog circuits (final grade: 100), Photoelectronic (final grade: 100), Photovoltaic energy conversion (final grade: 93), semiconductor components, digital circuits.**
- ❖ 2006-2009: Full matriculation from Aharon-Katzir High School.

Technical skills

- ❖ **Virtuoso** platform by Cadence (experience within the course Integrated Circuits and Introduction to VLSI).
- ❖ OrCAD Capture & Pspice , LTspice (practical experience).
- ❖ Practical experience working with PIC18 microcontroller (within Microcomputers Laboratory).
- ❖ Programming skills in: **C(course), C#, ASSEMBLY, Verilog-A, MATLAB, Python.**

Relevant projects

- ❖ **Final project:** Photovoltaics based on arrays of sub-wavelength structures integrated on silicon-on-insulator technology.
Knowledge and experience using **TCAD by Synopsys**, received practical experience during the final project (FDTD- finite difference time domain optical simulation).
Adviser: Dr. Shalev Gil.
Article (Data collection and analysis): <https://authors.elsevier.com/a/1Ye6g7soS7t-kH>

Military service - 2009-2012: A combat soldier in the “Field Intelligence Corps”.

Languages - Hebrew – Native language, English – Fully fluent.