

# OMRI BEN-SHAHAR

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## EXPERIENCE

2021 – TODAY

### Junior Power Engineer, SolarEdge Technologies

R&D Power Engineer (Optimizer Product):

- Experience in design DC/DC converters: Buck-Boost, Flyback.
- Electrical circuit design: Physical aspects, simulation, component research.
- Leading the design and development group of the voltage controllers in the various products.
- Support production and manufacture process of new product (S1400 optimizer).
- Experience working with laboratory equipment (Oscilloscopes, multimeters, power supplies, E-Load, Ovens).
- Writing and developing scripts to automation tests.

2020 – 2021

### Undergraduate Teaching Assistant, Tel-Aviv University

Undergraduate teaching assistant. Assisting the lecturer with the lab experiments. Course: Energy conversion laboratory.

## EDUCATION

2017 – 2021

### B.Sc. in Electrical Engineer, Tel-Aviv University

Specialization tracks: Computers, Energy and Power Electronics and Control.

- A 16-bit processor simulation project MIPS architecture in C and Assembly Programming language, based on a BASYS MX3 Command Card.

2016-2017

### Pre-Academic Preparatory for Engineering, Tel-Aviv University

2009-2012

### High school diploma (BAGRUT), Mor high school

Specialization: Biotechnology and Chemistry.

## SKILLS

- Programming languages: C, C#, Java, Python and Assembly.
- Simulation Software: OrCad Pspice, AD LTspice, MathWorks Simulink.
- Analysis programs: MATLAB, Octave.
- Operation Systems: Windows, Linux.
- Office tools: word processing, spreadsheet, presentations.

## MILITARY SERVICE

- Tank Commander at 188<sup>th</sup> Division, both at training school and operational regiments.
- Tank Platoon Commander at 679<sup>th</sup> Reserve Division.