

SHLOMI SHVARTZMAN



Beer-Sheva, Israel
DOB: May, 3rd, 1994

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Programming languages:

Matlab	★★★★
Python	★★★★
Java	★★
C	★★
Delphi	★★
Assembly	★
SQL	★

Developer tools:

Matlab	★★★★
Matlab DSP toolbox	★★★★
Matlab image processing toolbox	★★★★
NumPy	★★
OrCAD	★
PSPICE	★
Android Studio	★★

Languages:

Hebrew	★★★★
English	★★
Russian	★★

BRIEF

Electrical and Computers Engineer B.Sc. from Ben-Gurion University.
Specialist in radar algorithms, tracking, SAR and phased array theory.
Signal processing & radar algorithms research officer at the IDF.
Familiar with machine learning & deep learning algorithms.
Projects in fields: Spectrum prediction algorithm in cognitive radio systems, spatial sound, spatial signal processing, image processing, phased array analysis.

EXPERIENCE

Signal Processing & Radar Algorithms & System Engineer

Special technological unit @ IDF ~ 2018 – Today
Design and simulation of radar systems.

Technological Projects & Innovation

376 battalion @ IDF ~ 2017 – 2018
Satellite communications, operation of network equipment, radio analysis – electronic compatibility, commander of computers department.

Officer Training

Officers school & Technological training school ~ 2017

Electrical Engineering Student

IAI Elta Systems ~ 2015 – 2016
Algorithm design & simulation of "Spectrum Prediction in Cognitive Radio Networks" R&D project.

Private tutor

2015 – Today
Math, physics, Algebra, Calculus, DSP.

EDUCATION

B.Sc. Electrical and Computers Engineering

Ben Gurion University of the Negev ~ 2012 – 2016
Graduated with honors. GPA: 87
Specialized in signal processing and communications.

AMIT high school - Class valedictorian.

2006 – 2012
Math (GPA: 99) – academic courses from 10th grade
Physics (5 pts)
Physics project (5 pts) – "Development of Drude theory using probability theory", honorable mention in the international competition "First step to Nobel Prize in Physics"
Computer Science (5 pts + 5 pts project)

"Math club for excellence and creativity"

Ben Gurion University of the Negev ~ 2004 – 2008

OTHERS

7 years math tutor – high school, academic preparatory program, electrical engineering academic courses.
10 years professional chess player.
Enjoys fitness, hiking, nature trekking and cycling.