

# Osher Dabush

## Electrical and Electronics Engineer

### Contact

 +972- 50- 632-3117

 osherdaboush@gmail.com

 [GitHub](#)

 [linkedin.com/in/usher-dabush](https://linkedin.com/in/usher-dabush)

### Summary

I am a highly motivated individual with a strong work ethic. As an autodidact, I possess a rapid learning ability, driven by my insatiable curiosity about the ever-evolving technological landscape. A strong passion for chip design and FPGA. Seeking for an opportunity to apply my skills and knowledge in VLSI, digital design, and programming.

### Projects

- Designing systems in VIVADO - VHDL in combination with microprocessors and Basys3 FPGA
- Implementing of Machine Learning in PYTHON using various neural network techniques on PYNQ-Z2 FPGA
- Creating Embedded Systems on PYNQ-Z2 FPGA
- Designing Systems in SPICE

### Languages

- Hebrew - Native Language
- English - Full Proficiency

### Practical Experience

- Microprocessor-based hardware design
- Development of Embedded Systems on FPGA
- Experience in interfacing with various hardware peripherals (i.e FPGA)
- Deep assembler (x86, ARM, MIPS) knowledge
- Proficient in x86 assembly language

### Military Services

Staff Sergeant | Givati Brigade

- Hebrew - Native Language
- English - Full Proficiency

### Programming Languages

- VHDL
- PYTHON
- C++
- MATLAB
- ASSEMBLY
- SPICE

References available upon request