

# Alla Davydov

## Software Engineer

### Contact Details

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### Skills

ASIC / FPGA verification

SystemVerilog

Verilog Synthesis

UVM methodology

### Tools

VNC Linux

Questa

Azure, Git

### Languages

English

Russian

Hebrew

### Summary

Skilled FPGA Engineer at Rafael Advanced Defence Systems with expertise in SystemVerilog and UVM methodology for design and verification. Experienced in developing and testing complex FPGA-based systems, focusing on both design and documentation for FPGA synthesis. Seeking a challenging role to contribute to innovative hardware solutions in a dynamic environment.

### Work Experience

#### Fpga Engineer, Rafael Advanced Defense Systems

January 2023 - Present

- Designed, verified, and documented complex FPGA systems using SystemVerilog and UVM methodology, ensuring robust and reliable designs.
- Led the development process from initial requirements to final synthesis, prioritizing precision, reliability, and safety.
- Collaborated with cross-functional teams for troubleshooting and process improvements, enhancing system performance.

#### Nice Software Solutions - Codecoda Coding Mentor

March 2009 - December 2010

Contributed to a project guiding novice programmers in learning the 'Processing' language with a focus on Object-Oriented Programming (OOP) principles, fostering skills for digital and visual coding.

#### Partner Communication Company, Technical Department

May 2006 - November 2008

### Education

SystemVerilog for synthesis high productivity (by HandsOn Training)

April 2024

Design & Verification at Rafael, focusing on UVM

November 2022 - January 2023

Bachelor of Science in Software Engineering, ORT Braude University

September 2017- July 2022

Pre-academic preparatory program (graduated with honors)

September 2016 - July 2017

Networking & Infrastructure Management, John-Bryce College

October 2009 - April 2010

### Extracurricular

International education foundation ISEF Leadership member Development Program

October 2018 - June 2022

Integrating and promoting higher education in teenagers, guiding a group, promoting young leadership.