

WARD AYAT

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Board designer. B.Sc. Ben Gurion University

Personal Summary

Highly motivated electronics engineer with hands-on experience in development and design of printed circuit boards. Passionate about challenging work and exploration, I'm always looking for new and innovative ideas to bring to my work.

Work Experience

Sysmop Technologies | R&D Electronics Engineer

2021 – Present

Designing and developing PCBs for the company's new products, from schematics to manufacturing through the whole product development life cycle. Upgrading and improving existing PCBs according to market and company's demand. PCB bring-up, testing and debugging using electronic test equipment. Creating automation scripts for machine and system testing.

Technical Skills

- Electronic circuit board development: design, components selection, implementation and verification..
- Schematic symbols library development, part parameters, and footprints.
- Board bring-up.
- Working with CPU, MCU, motors, drivers, encoders, sensors and more.
- Managing and working with sub-contractors and layout designers.
- Performing SRR, PDR and CDR including clients meetings.
- Knowledge in communication protocols: UART, SPI, I2C, USB 2.0.

Education

BEN-GURION UNIVERSITY

B.Sc. in Electrical Engineering

- Electives: VLSI & Power System.

o Introduction to Digital Electronic Circuits: 81

o Introduction to Analog Electronic Circuits: 95

o Introduction to Computers : 82

o Digital Systems for Electrical and Computer Engineering : 91

o Introduction to Computer Science to ECE : 94

o Dynamic behaviour of Semiconductor Devices: 86

o Introduction to Industrial Electronics: 90

TOOLS

- Proficient in OrCAD Capture, FreeCAD.
- Familiar with Cadence Allegro, KiCad, PSpice, LTspice, Python.
- Basic knowledge in Altium, C, MATLAB.

LANGUAGES

Arabic-native, English-advanced, Hebrew-advanced.