Amir Menashe

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- ✓ Fourth year student in electrical engineering, Image & Video processing and computers.
- ✓ Creativity and thinking "outside the box", logical abilities and analytical skills along with identifying problems and providing solutions.
- ✓ Sharp learning curve, organization and order skills, independent work and integration in a team, along with driving processes and decision-making ability.
- ✓ English at a very good level and excellent interpersonal communication with motivation to integrate and develop in the field.

Education

2018-present

Afeka Tel Aviv Academic College of Engineering, Israel
- B.Sc. – Electrical Engineering
- Specialization: Computers, Image and Video processing
- GPA (after 3 years): 85

Projects

Micro Laboratory Micro Processors:
- Programming delfino system control type TMS 320 using C language
- Project - Alarm system design, control of situation machine using login code

Analog Lab 1 & 2:
- Analysis, construction and measurements in analog circuits based on semiconductors (diodes, BJT and MOS transistors). Mainly as varying degrees of amplification to an analog signal.
- Project one – Amplifier design that includes different grades and several amplifiers for each position.
- Project two – Design and construction of a circuit that verifies the integrity of operational amplifier.

Digital Systems Lab:
- Performing an arithmetic connection
- Project - Theoretical design of various systems using sheer systems and with the help of skippers and logical gate
- Synchronous tracking system for coffee machine, traffic light at the intersection, combination lock

Hardware Description Language Using VHDL:
- Writing VHDL code and Test Bench with hardware design
- Project – Programmable interrupt controller, Winning machine in Tic Tac Toe game, Control device for mouse.

Among the courses: Advanced Hardware Design, Methodology For VLSI Design and Technology, Communication Lab, Advanced Lab in Image processing.

Experience

2021-present

Final Project in collaboration with Israel Aerospace Industries (MLM Division)
- Design and construction of a system that will include a passive range finder for tanks.
- The project is based on advanced image processing.
- Experience working with industry in full cooperation.

Military Service

2013 – 2016

IDF Service: Pikud Haoref, Search and Rescue Brigade

- Platoon Sergeant in training and operational service.
- Experience in commanding and managing people.

Technical Skills

- Vast knowledge of using lab equipment: Signal Generator, Oscilloscope, Power Supplies, Logic Analyzer, Matrices and components such as resistors, transistors and more.
- Automation programing skills: C, Matlab, VHDL, Quartus, Modelsim, Orcad, Pspice, Python base level.
- Excellent knowledge of analog circuits and digital electronics.

Languages

- Hebrew – Native.
- English – Very good level.