



OBJECTIVE

B.Sc. Electrical Engineering at Bar Ilan University.

Have a strong background in Signal processing and Electro Optics.

programming experience in MATLAB, Python, C and C++ (OOP).

hands-on experience in optical experiments, both physical and simulated, have a solid foundation in optics.

I'm enthusiastic about using my skills and knowledge to tackle new challenges in the fields of physics and signal processing.

EDUCATION

B.Sc. in Electrical Engineering | BIU

2019 – 2023

Specialization-Signal processing and Electro Optics

Final Project - audio processing using Deep Learning methods,

Building a Voice activity detection (VAD) classifier using PyTorch library on Visual studio code remote development environment (DSI).

Optimization project-X ray tomography using optimization methods

Developed an optimization algorithm for 3D reconstruction of X-ray images. Main use in MATLAB software.

Optics project-Gaussian Pulse in an Optical Fiber

As part of my undergraduate degree, I conducted a project on the progression of a Gaussian pulse in an optical fiber. The goal of the project was to use MATLAB to simulate the propagation of a Gaussian light pulse through an optical fiber.

RELEVANT COURSES-BIU

Digital Signal Processing (I,II), Statistical Signal Processing, Introduction to Machine Learning, Estimation Theory, Optimization. Opto-Electronic Devices and Systems, Introduction to Lasers, Optical Communications, Thermodynamics for optical engineering. Digital image processing – 230860 – Prof. Alex Bornstien - Technion



WORK ENVIRONMENTS AND PROGRAMS

Writing languages: C, C++, Python, MATLAB

Working with Pytorch library on VS code environment.

Experienced in building and deploying Docker containers on Linux

MILITARY SERVICE

Artillery combat soldier, IDF 2015-2018

I served as a soldier in the Israeli Artillery Corps, under the Operations Department of the Battalion Command. I operated the battalion command post and provided immediate responses to security incidents. After 1.5 years of service, the battalion commander appointed me as his personal assistant in his new role as the commander of the Artillery Officer Course.

Hebrew – mother tongue English – Excellent level