

Algorithm engineer at Mobileye, experienced in **software development**, familiar with hardware components. Graduated from the **Technion**.

Experience:

- 2021 – Present: Mobileye: **Algorithm engineer** (Automatic parking):
Created **Colmap 3D points clouds models** of parking lot and forests with cars trajectories and plugins for the system, all tools work on linux machines. Changed existing algorithms so it could handle new demands (deleting parking space from flash, hysteresis implementation). Created **DevOps tools** from scratch with GUI (tools that pull from **git**, check out to new branch, compile codes on **linux** machine and run process on remote linux machines, the tools also create html reports and show **cloud task info** (used **python, bash, c++, html, css**). Changed Jenkin's pipelines so it can suit our team demands.
- 2020 – 2021: Intel: **Senior software development engineer** in FreeD:
Developed new tools (python, c++, powershell..) for windows and Linux
Encrypted and decrypted python modules (to increase **code security**).
Adjusted python projects from python 2.7 to python 3.8 and from PyQt4 to PyQt5.
Created an API for high resolution cameras (dll in c++) and a unit test for it as a part of pioneering R&D project supporting PTP protocol and a sync mechanism.
Created diagrams as a part of the new software and hardware **architecture design**.
- 2017 – 2020: Intel: **Software development engineer** in FreeD (R&D team):
Designed, programmed tools for distributed systems. Tools that: communicate with hardware components (cameras, computers...), make analysis, burn pof, check temperature, check images, calculate sensor indicators. Was the **TM** and a programmer of a project containing collection of data from remote computers in a network, **DB** insertion, cloud uploading (**using AWS**). Used: Python, batch, Matlab, C#, C++, PowerShell, wmic, SQL, Html, CSS, Tkinter, QT, multithreading. Some of the tools **create designed html reports**. Wrote: guides. Created a **c++ dll** and a python wrapper for it which communicate with new cameras and framegrabbers in a distributed system. Created tools for **Linux** using bash and python3 which runs some of the modules on remote Linux machines.
- 2016 – 2017: Intel: **Software developer and PMO** (in Algo team): Created: tools, GUIs, Gantt charts. Tool that creates excel and ppt (pivot, charts). Used: C#, Batch, Python, Matlab, MsProject, Prochain.
- 2015 – 2016: Intel: **Analyst & a programmer**: Created: tools, dashboards, sites, filters for customized reports of team work. Used: Batch, VBA, VBS, Html, CSS, JS, JQL, MDX, SharePoint, Excel, Pivot tables, PowerPoint, Jira, Scrum, Agile, EasyBI
- 2011 – 2012: Voluntarily: protocols writer. Temporary: administrative manager, models agent.

Education:

- 2012 – 2016: **Technion**: B.Sc in industrial and management - information systems: average: 80.3
- 1997 – 2009: Full matriculation from Sharet high school, majors are: computers and physics. Finished my studies **summa cum laude**. Astrophysics project for **Weizmann Institute**.

Army:

- 2009 – 2011 Unit: **Basmach**, Computer courses commander and in charge of a development process of programmers: managed and operated tasks, coordinated between departments.
Course: computer systems instructor (cum laude).

Certifications

Languages:

Additional:

Characteristics:

FPGA

Hebrew (native)

C, Assembly, R, PHP

Positive, diligent

Unix

English: speaks,

UML, ERD, Photoshop, Office

Autodidact