[Interactive experience](#)

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Experience

Mov.ai- Robotics engine: **2021-now**

Backend team leader: Develop the **core** components of the platform, including the backend web server, services, **orchestration** system, **communication** systems, **security** features, **logging**, **DBs**, **HW**, and **ROS** interfaces and our SDK/ API
Also contribute and manage our open source - [Movai-flow](#), [Flow-init](#), [DAL](#), [shared](#), [backend](#), [node](#)
Written (and optimize performance) in **python**, to run robotics and perception **algorithms** with best performance

NeuroBlade LTD: **2019-2021**

Simulator Engineer: Develop simulator based **QEmu open source in C**, simulated new system and all of its components (DMA, Mem, Network) worked with new linux driver and FW on the modulated chip and linux app that run on simulator

AI Compiler Engineer: Develop compiler and tools (based on **ONNX** format) for a new accelerate **deep neural networks** chip, in addition to HW validation. Worked with python AI libs (mainly **T.F and PyTorch**), and **OnnxRunTime** open source

Giraffic LTD: **Senior SW ENG**   **2018-2019**

Helped to develop the product for accelerating video streaming Android Apps (**C++** core SW, and **Java** for the SDK),
In addition, developed Automation testing system (In **Python** with **Jenki**

Mellanox LTD: **2014 – 2018**

Development tools and compilers for internal and outer use: Joined tools team, worked in ongoing projects like:
FW 64-bit *LLVM* Compiler and simulator, HW and FW VM *QEMU* Simulator; and other wanted tools mainly in Python
(worked with **C++, Django, ScaPy** and other **Python** libs)

Development infrastructure in Microsoft new Switch OS in Seattle : Sent from Mellanox to Microsoft in Seattle for development new open source OS for Open Networking in the Cloud (AKA SONiC), and platform that connect different HW devices as Switch Abstraction Interface (AKA SAI)

Firmware verification and Hardware validation Engineer: Developing test environment in **C++** under **Linux** with a reference model that includes the **FW** and **HW**, complicated management model for code coverage and function coverage, and a traffic generator and traffic checker for all the different **Eth, TCP, IP and InfiniBand protocols.**

Biosense medical Ltd*: System Engineer*   **2013 – 2014**
Planned the architecture that includes the mechanical, electronic and software aspects, and programmed all the product software in **C# on the .NET** environment.

Ben Gurion University: **Programmer**   **2012 – 2013**
Worked in the DARPA CHALLENGE, in the Israel team.
Programmed in **C++** with **ROS** (Robot Operating System) in **Linux**, for **computer vision** tasks

Education

Tel Aviv University	M.Sc in Electrical engineering	***Graduating in 2024***
Ben Gurion University	B.Sc in Electrical and computer engineering	***Graduated in 2014***
Ort Hermelin College	Practical Engineer in Mechanical Engineer	***Graduated in 2006***
Aviv High school	Control system and robotics studies	***Graduated in 2004***

- Won the second place in the world contest of firefighting robots competition

Army service
Israel Air Force	UAV technician, team leader in the system department, top secret security clearance	***2006 – 2009***