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# SHANI ISRAELOV

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## EDUCATION

### September 2022 - Present | M.Sc. in Computer Science, European Union-Japan Joint Degree

- Focused on Machine Learning, Deep Learning, Computer Graphics, and 3D Computer Vision with specialization in VR\XR
- Skills: Python, C++, CUDA programming, OpenCV, Rendering techniques
- Projects:
  - 3D Room representation using a single image (Python)
  - Autonomous Exploration and VR visualization (ROS2, Python, Unity)
- Highly developed cross-cultural communication skills combined with the ability to adapt and be flexible in new and changing situations
- Excellent verbal, written, and presentation skills in English
- Expected graduation: August 2024

### 2017 - 2021 | B.Sc. in Electrical and Computer Engineering, Technion - Israel Institute of Technology

- Focused on Machine Learning, Signal and Image Processing and Computers
- Software and Hardware languages: MATLAB, Python, C, Java, VHDL
- Final Projects:
  - Creating Segmentation Maps using Style GAN (Python)
    - Worked with PyTorch, Python libraries, Docker, Git and Linux.
  - Speckle Reduction for Improved Classification of Ultrasound Breast Lesions (MATLAB)

### Spring 2019 | Exchange Student at the Polytechnic University of Turin, Italy

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## PROFESSIONAL EXPERIENCE

### 2022 | System Engineer, Architecture and Integration group, Qualcomm

- Led integrations and defined flows across HW and various layers of SW
- Worked collaboratively in cross-functional teams with excellent communication and teamwork
- Experience in wireless communication system design for 5G, digital signal processing, RF PA linearization
- Developed MATLAB simulators and studied the system performance at the platform level using test equipment in the lab

### 2020 - 2022 | Engineering intern, Algorithms group, Qualcomm

- Research and algorithms development, performance analysis

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## MILITARY SERVICE

### 2012 - 2014 | Non-commissioned officer of education, Navy, IDF

- Creative thinking skills and ability to work on multiple concurrent projects
- Created and delivered lessons to groups of 30-40 soldiers

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## VOLUNTEERING

- "MedOne" community project – Tutored university applicants
  - Tutor and Mentor in "Perach" Project for children from underprivileged backgrounds
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