ELAD HOFFER

PERSONAL INFORMATION

Born in Israel, 11 October 1986

email	elad.hoffer@gmail.com
website	http://www.DeepLearning.co.il
github	eladhoffer
phone	(M)054-4228891

PROFESSIONAL INTERESTS

Machine Learning, Deep Learning, Computer Vision, Signal Processing

WORK EXPERIENCE

2020– **Senior Researcher (PE), Habana**

Intel Principal Engineer at Intel (Habana) research team

2016–2020 **Algorithms and Research Tech lead**

Habana-Labs Lead researcher at Habana-Labs' Algorithms team

2015–2016 **Deep Learning researcher, ICRI-CI**

Intel Deep Learning researcher at Intel's Collaborative Research Center for Computational Intelligence.

2013–2015 **Visual Algorithms and Neural Networks, CVG**

Intel Researching and developing Deep Learning capabilities for computer-vision tasks. Part of the Algorithms team in Intel's Computer-Vision Group.

2011-2013 **Emulation student, Network Division**

Intel Created FPGA prototypes and automation scripts for emulation of network devices.

2005-2009 **Commanding Officer , Artillery Corps**

IDF Rank: *Captain (Reserve duty)*
Served as a battery commander (artillery), leading 90 soldiers.
Currently serves on active reserve duty.

EDUCATION

2014-2019 **Technion, Israel Institute of Technology**

PhD (Direct track)
Electrical
Engineering Research: *Deep Learning of Representations*
Description: My research explores the machine learning technique known as "Deep Learning" which uses artificial neural networks to learn useful data representations.
Advisor: Prof. Daniel Soudry

2010-2014 **Technion, Israel Institute of Technology**

BSc Electrical
Engineering GPA: 90 · *Cum Laude*
Specialized in Computer Engineering, Signal Processing.

Final Project: Real-Time Movie Subtitles Extraction - using image processing and computer-vision techniques.

2004   High-school "Itzhak Rabin", Gan-Yavne

Graduated with honors
Studied Computer Science and Physics
Final Project: Handwriting Recognition.

COMPUTER SKILLS

Programming   Python, C++, Matlab, Lua, Perl, CUDA, Erlang, Verilog, Julia

Environments   Linux, Microsoft Windows, Microsoft Office

Other   PyTorch/Torch, TensorFlow, Open-CV, LaTeX

OTHER INFORMATION

Awards   2010-2013 · Dean's honor list - Technion Electrical Engineering Dept.

2018 · The Porat Award for PhD students

2018 · KLA-TENCOR Award for excellent PhD paper

Invited Talks   March 2018 · IMVC 2018 - "Rethinking Common Practices in Deep Learning"

Sep. 2016 · Cx 2nd Annual Fall Workshop (NYC)

Languages   Hebrew · Native

English · Fluent

January 9, 2023