

ELAD HOFFER

PERSONAL INFORMATION

Born in Israel, 11 October 1986

email elad.hoffer@gmail.com

website <http://www.DeepLearning.co.il>

phone (M)054-4228891

PROFESSIONAL INTERESTS

Machine Learning, Deep Learning, Computer Vision, Signal Processing

WORK EXPERIENCE

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| <i>Intel</i> | <i>2013–Present</i> | Visual Algorithms and Neural Networks, CVG Researching and developing Deep Learning capabilities for computer-vision tasks. Part of the Algorithms team in Intel's Computer-Vision Group. |
| | <i>2011–2013</i> | Emulation student, NETWORK DIVISION Created FPGA prototypes and automation scripts for emulation of network devices. |
| <i>IDF</i> | <i>2005–2009</i> | Commanding Officer , ARTILLERY CORPS Rank: <i>Captain (Reserve duty)</i> Served as a battery commander (artillery), leading 90 soldiers. Currently serves on active reserve duty. |

EDUCATION

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| <i>MSc Electrical Engineering</i> | <i>2014–Present</i> | Technion, Israel Institute of Technology Research: <i>Deep Learning of Representations</i> Description: My research explores the machine learning technique known as "Deep Learning" which uses artificial neural networks to learn useful data representations. Advisor: Prof. Nir Ailon |
| | <i>2010–2014</i> | Technion, Israel Institute of Technology GPA: 90 · <i>Cum Laude</i> Specialized in Computer Engineering, Signal Processing. Final Project: Real-Time Movie Subtitles Extraction - using image processing and computer-vision techniques. |
| <i>BSc Electrical Engineering</i> | <i>2004</i> | High-school "Itzhak Rabin", Gan-Yavne <i>Graduated with honors</i> Studied Computer Science and Physics Final Project: Handwriting Recognition. |

PUBLICATIONS

December 2014 [Deep metric learning using Triplet network](#)

In this paper we propose the deep triplet network model, which aims to learn useful representations by distance comparisons. We demonstrate using various datasets that our model learns a better representation than that of its immediate competitor, the Siamese network, and discuss future possible usage as a framework for unsupervised learning.
Authors: Elad Hoffer, Nir Ailon

COMPUTER SKILLS

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|---------------------|---|
| <i>Programming</i> | C++, MATLAB , LUA ,PYTHON, PERL, ERLANG, VERILOG |
| <i>Environments</i> | Linux, Microsoft Windows, Microsoft Office |
| <i>Other</i> | Torch ML-library, Open-CV, L ^A T _E X, FPGA synt. (Altera, Xilinx) |

OTHER INFORMATION

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| <i>Awards</i> | 2010-2013 · Dean's honor list - Technion Electrical Engineering Dept. |
| <i>Languages</i> | HEBREW · Native ENGLISH · Fluent |

April 17, 2015