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

2015–Present **Deep Learning reseacher, 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-Present **Technion, Israel Institute of Technology**

MSc 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. Nir Ailon

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.

PUBLICATIONS

December 2014

Deep metric learning using Triplet network

ICLR 2015 Workshop contirbution

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

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

Environments Linux, Microsoft Windows, Microsoft Office

Other Torch ML-library, Open-CV, LaTeX, FPGA synt. (Altera, Xilinx)

OTHER INFORMATION

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

Languages Hebrew · Native

English · Fluent

August 30, 2015