

Nadav Geva – Curriculum Vitae

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SUMMARY

*M.Sc. in Electrical Engineering primarily focused on the fields of **Computer Vision, Deep Learning and Machine Learning**. Over 12 years of experience in developing systems including algorithm research, real-time implementation, system architecture and integration.*

EDUCATION

2002-2006

B.Sc. in Electrical and Computer Engineering

Ben-Gurion University of the Negev, Be'er Sheva, Israel

- **Summa Cum Laude** (GPA 93.2)
- Specialization in Computer Vision, Signal Processing, Communication and Control

2007-2009

M.Sc. in Electrical and Computer Engineering

Ben-Gurion University of the Negev, Be'er Sheva, Israel

- Thesis Subject: Computer Vision and Parametric Estimation
- Thesis grade: 96. Final degree average: 93.

EMPLOYMENT HISTORY

2020- present

Algorithm Team Leader.

CommonGround-AI, Israel

Research and development of Real time photo realistic Avatars. Using Computer Vision, Deep Learning, 3D models and 3D Computer Graphics.

2019-2020

Advance Camera Team.

Corephotonics- Samsung, Israel

Research, evaluation, and innovation of new sensing technologies for mobile devices, with an emphasis on custom algorithms for dedicated cameras and sensing hardware. Managing and maintaining the algorithmic Patent portfolio.

2017-2019

Deep Learning Lead Researcher.

Corephotonics, Israel

Research development and implementation of Deep Learning algorithms for depth estimation, Segmentation, and Classification on mobile devices.

2014-2017

Algorithm Team Leader.

Corephotonics, Israel

Leading a team of 4 algorithm engineers, in charge of the full development cycle of several software solutions: system specifications, algorithm research, real-time implementation, and integration of the final product with the customer.

2012-2014

Senior Algorithms Engineer.

Corephotonics, Israel

Research and development of computer vision and image processing algorithms, from theoretical research to real-time implementation, in the fields of: Dual camera calibration, Image registration, Classification, Video processing, Machine Learning and Tracking.

2009-2012

Algorithms Engineer.

Sightech, Israel

Research and development of a video surveillance system and a Natural User Interface. using Computer Vision, Machine Learning, Registration, Classification, Detection, Tracking, and Parametric Estimation.

The company was based on academic research, including my graduate degree thesis.

MILITARY SERVICE

1999-2001

Artillery Unit Commander

Artillery Corps, Israeli Defense Forces

Command, Leadership, and Instruction skills.

ADDITIONAL DETAILS

Languages

Hebrew (Native), English (Fluent), Spanish (Speaking)

**Computer
Programming &
Skills**

Python, Pytorch, Pytorch3d, Open3d, 3D graphics, MATLAB, C, C++, DSP, OpenCV, Android, TensorFlow, Linux, AWS, Docker.

Publications

N. Geva, R. Hagege, J. Francos: *Parametric modeling and linear estimation of elastic deformations*. ICASSP 2011: 1301-1304