Eli Schwartz – CV

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Education			
2016-Present	 M.Sc. Electrical Engineering, Tel Aviv University, Israel Advisors – Dr. Raja Giryes and Prof. Alex Bronstein 		
	1 0	Thesis – Deep Learning for Low Level Vision (Denoising/Demosaicing/Full ISP)	
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	1	project on the subject of deep learning based	
2007-2011			
2007-2011	• Specialized in - Signal and Image Processing, Computer Engineering, Biological		
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		as Schwartz Award for outstanding projects in	
	image processing and computer vision		
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2017-Present	•		
2015 2015		deep learning for object detection	
2015-2017			
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2012 2016			
2013-2010			
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2011-2013			
2007-2011 Employment 2017-Present 2015-2017 2013-2016	 Selected courses – Computer Vision Computational Photography, Video Supervised undergrad students final vision B.Sc. Electrical Engineering, Technion, I Specialized in - Signal and Image P signals and Systems Final project - Detection of manipulation of the project won the Thoma image processing and composition of the project won the Thoma image processing and composition of the field of the Conducting research in the field of the Co-founder & CTO – Inka Robotics A startup developing a vision-based Led the technical team developing a turn it from idea to a working protect of the Computer Vision Algorithm Engineer – Worked on the HoloLens Project (and Part of an incubation team – fast described Developed computer vision algorithm of Developed algorithms in Matlab & ASIC Engineer – Qualcomm 	n, Advanced Topics in Computer Vision, Processing and Analysis, Optimization I project on the subject of deep learning based Israel Processing, Computer Engineering, Biological Ilations ("photoshopping") in images as Schwartz Award for outstanding projects in outer vision deep learning for object detection I autonomous tattooing robot algorithms, software & micro-controllers otype (that tattooed my leg) Microsoft	

Languages

2008-2011

2002-2005

- Hebrew Mother tongue
- English fluent

Programing languages and environments

TensorFlow/Pytorch/ Theano, OpenCV, Python, Matlab, C++, C, Windows, Linux

• Functional verification **ASIC Engineering Intern – IBM**

• ASIC formal and functional verification

Military Service - Combat military service in the Armored Corps, IDF

Publications and Patents

- E. Schwartz, R. Giryes and A. M. Bronstein, "DeepISP: Learning End-to-End Image Processing Pipeline", submitted to IEEE Transactions on Image Processing, 2018.
- C. Baskin*, **E. Schwartz***, E. Zheltonozhskii, N. Liss, R. Giryes, A. M. Bronstein and A. Mendelson, "UNIQ: Uniform Noise Injection for the Quantization of Neural Networks", submitted to ICML, 2018.
- E. Shalev, S. Katz, and **E. Schwartz**. "Imaging devices and methods for authenticating a user." U.S. Patent Application No. 14/995,025.