

Lior Talker

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Objective	Computer vision research position.	
Professional Interests	Interested in deep learning research; in particular, in introducing geometry to deep learning algorithms. My main research areas (from the PhD) were classical computer vision & geometry; that is, 3D reconstruction, camera pose estimation, rectification, feature detection and description, etc.	
Professional Experience	<i>Computer Vision Engineer</i> Samsung R&D, Ramat Gan, Israel	February 2019 - Today
	<i>Computer Vision Researcher</i> Infinity Augmented Reality, Ramat Gan, Israel	December 2017 - February 2019
	<i>Software Architect</i> Air force, IDF, Israel	January 2010 - September 2011
	<i>Java Developer</i> Air force, IDF, Israel	January 2006 - January 2010
Education	<i>PhD in Computer Science (Computer Vision),</i> The University of Haifa, Israel Title of PhD: Revisiting Image Matching from a Computational Efficiency Perspective Supervisors: Prof. Yael Moses & Prof. Ilan Shimshoni	October 2013 - May 2019
	<i>MSc in Computer Science with thesis,</i> The Interdisciplinary Center, Hertzeliya, Israel Title of M.Sc. Thesis: Book Spine Segmentation for Bookshelf Reorganization Supervisor: Prof. Yael Moses	October 2008 - July 2013
	<i>BA in Computer Science,</i> The Technion, Haifa, Israel	October 2002 - July 2005
Publications		
2018	Lior Talker, Yael Moses & Ilan Shimshoni Efficient Sliding Window Computation for NN-Based Template Matching European Conference on Computer Vision (ECCV), 2018	
	Lior Talker, Yael Moses & Ilan Shimshoni Estimating the Number of Correct Matches Using Only Spatial Order Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2018	

2016	Lior Talker, Yael Moses & Ilan Shimshoni Using Spatial Order to Boost the Elimination of Incorrect Feature Matches International Conference on Computer Vision and Pattern Recognition (CVPR), 2016
2015	Lior Talker, Yael Moses & Ilan Shimshoni Have a Look at What I See ArXiv, 2015
2014	Lior Talker & Yael Moses Viewpoint-Independent Book Spine Segmentation Winter Conference on Applications of Computer Vision (WACV), 2014
Teaching Experience	<i>Lecturer</i> Summer Semester 2016 Object Oriented Programming - Java (Haifa University) & Summer Semester 2017 <i>Assignments & Exams Grading</i> September 2011 - September 2016 Introduction to Computer Vision (The Interdisciplinary Center)
Additional Experience	Participation & Poster Presentation in International Computer Vision Summer School (ICVSS), 2016, Sicily July 2016
Programming Skills	<i>Languages & Software:</i> Matlab, Python, C++, Java, C, Lisp, PL-SQL, Ada <i>Web development:</i> J2EE, JSP, Javascript <i>Libraries:</i> OpenCV, OpenGL, Android development <i>Operating Systems:</i> Windows, Unix, Linux, Open-VMS <i>Development Environment:</i> Eclipse, IntelliJ, Version control: GIT, CVS, SVN <i>Design Environment:</i> UML.
Languages	<i>Hebrew:</i> Mother Tongue <i>English:</i> Fluent