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| Education |  |  |  | **2015-2021:** Direct Ph.D. program at Computer Science Department, Technion, GPA 98   * Topic: Cognition Models in Deep Learning * Visiting Scholar at University of Illinois at Urbana-Champaign (UIUC) * Advisors: Prof. Tamir Hazan (Technion), Prof. Alexander G. Schwing (UIUC)   **2011-2015:** BSc at Computer Science Department, Technion, GPA 88 |
| Professional Experience |  |  |  | **2020-?: Head of Research at Spot by NetApp**  I lead the research team at Spot (acquired by NetApp). We develop data-driven algorithms based on the cloud behavior of thousands of customers.  **2019-2020: Researcher at Microsoft (Search, Assistant and Intelligence group)**  I was a member of the team that developed deep learning models to extract action items from meetings.  **2016-2018: Senior Researcher at eBay (Catalog group)**  I led successful research on the deduplication of products using NLP and CV solutions, which reduced eBay's overall duplicates from 30% to 12%. Having the pleasure of working with Dr. Ido Guy and Dr. Kira Radinsky.  **2011-2015: Software Developer at Intel**  Through the use of C++ (Qt) I developed a software framework to assist with chip testing.  **2008-2011: Web Developer (IDF service)** As a full-stack web developer, I worked on systems that processed millions of records. |
| Publications |  |  |  | **Video and Text Matching with Conditioned Embeddings; WACV’22** A. Ali, I. Schwartz, T. Hazan, L. Wolf  **Perceptual Score: Measuring Perceptiveness of Multi-Modal Classifiers; NeurIPS’21** I. Gat, I. Schwartz, A.G Schwing  **Ensemble of MRR and NDCG models for Visual Dialog; NAACL’21** I. Schwartz   * Winner visual dialog challenge 2020   **Removing Bias in Multi-modal Classifiers: Regularization by Maximizing Functional Entropies; NeurIPS’2020**  I. Gat, I. Schwartz, A.G Schwing, T. Hazan  **Factor Graph Attention; CVPR’2019** I. Schwartz, A.G. Schwing, T. Hazan   * First place in [Visual Dialog](https://visualdialog.org/) challenge on MRR, R1, R5, R10 and Mean metrics   **Simple Baseline for Audio-Visual Scene-Aware Dialog; CVPR’2019** I. Schwartz, A.G. Schwing, T. Hazan   * State-of-the-art model for [Audio-Visual Scene-Aware Dialog](https://arxiv.org/abs/1806.00525) task   **High-Order Attention Models for Visual Question Answering; NIPS’2017** I. Schwartz, A.G. Schwing, T. Hazan   * State-of-the-art model for Multiple-Choice [Visual Question Answering](http://visualqa.org/challenge.html) task |
| Program Committee | | |  | UAI’18; NIPS’18; ICLR’19; CVPR’19; ICML’19; ICCV’19; NeurIPS’19; ICLR’20; CVPR’20; ECCV’20; NeurIPS’20; AAAI’20; CVPR’21; ICCV’21; AAAI’21, NeurIPS’21; WACV’22; AAAI’22 |
| Teaching Experience |  |  |  | * **Lecturer:** Autumn Data Science School with Dr. Kira Radinsky * **Guest Lecturer:** Deep Learning (097200, 236606); Natural Language Processing (097215); Deep Learning for Natural Language Processing (232601) * **Teaching assistant in charge:** Advanced Data Science (236605) * **Teaching assistant in charge:** Theory of Compilation (236360) * **Teaching assistant:** Introduction to Software Design (234122) |
| Coding SKILLS |  |  |  | Languages: Python, Lua, Java, C++, Web Development  * **Deep Learning:** PyTorch, Torch |