YFTAH ZISER

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EDUCATION

TECHNION – ISRAEL INSTITUTE OF TECHNOLOGY Haifa, Israel
2015 – Present

PhD student (Direct PhD track) in Information Management Engineering
GPA 96.4

- Supervised by Asst. Prof. Roi Reichart.

- Research: *"Domain Adaptation for Natural Language Processing - a Neural Network Based Approach."*

- My Research goal is to adapt models from domains rich in labeled training data to domains poor in such data through representation learning.
  My focus is on deep-learning methods for representation learning including recurrent networks, autoencoders and convolutional networks.

TECHNION – ISRAEL INSTITUTE OF TECHNOLOGY Haifa, Israel
Bachelor of Science (BSc) in Computer Science *2011 – 2015*

PUBLICATIONS

- *Conference on Computational Natural Language Learning 2017 -* Ziser, Y., Reichart, R. "Neural Structural Correspondence Learning for Domain Adaptation".

- *North American Chapter of the Association for Computational Linguistics 2018 -* Ziser, Y., Reichart, R. "Pivot based language modeling for improved neural domain adaptation".

- *Conference on Empirical Methods in Natural Language Processing 2018 -* Ziser, Y., Reichart, R. "Deep Pivot-Based Modeling for Cross-language Cross-domain Transfer with Minimal Guidance"

EXPERIENCE

IBM RESEARCH Haifa, Israel
Researcher *2017- 2018*
Part-time Researcher at Haifa Research Lab, Deep Learning for Natural language group.
- Designing and Implementing Machine Learning Algorithms for natural language problems.
- Teaching internal "introduction to Deep Learning" course.

TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY Haifa, Israel
Teaching Assistant *2015- Present*
- Teaching assistant in charge of #097215 "Introduction to Natural Language Processing" – a graduate course.
  The course includes presentation and implementation of prominent articles from the NLP literature.

- Project mentor of #096260 "advanced topics in information systems" - a graduate course.
  The projects theme was "Learning robust representations for Natural Language Processing".

- Project mentor of # 096290 "Selected Topics in Data Science" - a graduate course.
  The projects theme was "Natural Language Processing for the Social Sciences".

- Teaching assistant of #234114 "Introduction to Computer Science".

ISRAEL DEFENSE FORCES (IDF) Israel

Software developer in the Israeli air force *2008 – 2011*
Developed cutting edge applications at the Israeli flight test center, including video & audio manipulation utilities, information systems (server side) and automatization tools.
Used many different technologies and tools, mainly **python** and **.net**.

- Software team leader of ten developers - May-Nov 2011.

- Trained new developers.

- Nominated for the "air force commander award".

RESEARCH & PROGRAMING SKILLS

- Deep learning, recurrent networks, autoencoders, convolutional networks, word\sentence embedding.

- Keras, Theano, TensorFlow, Scikit-learn (Python), PyTorch.

- python, MATLAB, C#, SQL, C, .net.