YOSSI ADI - CURRICULUM VITAE

PERSONAL INFORMATION

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Address   30th Hakukia Street, Rishon Le Zion, Israel

RESEARCH INTERESTS

Machine learning; Audio, Speech and Language Analysis.

EDUCATION

2014-Present   Graduate Student in Computer Science (Integrated Ph.D. Track), Department of Computer Science,
Bar-Ilan University, Ramat-Gan, Israel.
Thesis: *Automatic Analysis of Speech and Language Data using Deep Structured Learning*
Advisor: Dr. Joseph Keshet

2011-2013   B.Sc in Computer Science, Summa cum laude
School of Computer Science, College of Management Academic Studies,
Rishon-Le Zion, Israel.

AWARDS AND SCHOLARSHIPS

2017   Rectors Award for Excellence in Academic Studies - Bar-Ilan University.

2016   President Award for Excellence (Ph.D Students) - Bar-Ilan University.

2014   Zvulun Hammer Scholarship.

2012   President Award for Excellence - College of Management Academic Studies.

PUBLICATIONS

2017   Moustapha CISSE, **Yossi Adi**, Natalia NEVEROVA Joseph KESHET, Houdini: Fooling Deep Structured Prediction Models, *The 31st Annual Conference on Neural Information Processing Systems (NIPS), Long Beach, CA, USA, 2017.*

2017   Einat NAAMAN, **Yossi Adi**, Joseph KESHET, Learning Similarity Function for Pronunciation Variations, *The 18th Annual Conference of the International Speech Communication Association (Interspeech), Stockholm, Sweden, 2017.*

2017   Yaniv SHEENA, Misha HEJNA, **Yossi Adi**, Joseph KESHET, Automatic Measurement of Pre-aspiration, *The 18th Annual Conference of the International Speech Communication Association (Interspeech), Stockholm, Sweden, 2017.*

2017   **Yossi Adi**, Einat KERMANY, Yonatan BELINKOV, Ofer LAVI and Yoav GOLDBERG, Fine-grained Analysis of Sentence Embeddings Using Auxiliary Prediction Tasks, *International Conference on Learning Representations (ICLR), Toulon, France, 2017.*

2017   **Yossi Adi**, Joseph KESHET, Emily CIBELLI, and Matt GOLDRICK, Sequence Segmentation Using Joint RNN and Structured Prediction Models, *The 42st*

IEEE International Conference in Acoustic, Speech and Signal Processing (ICASSP), New Orleans, LA, USA, 2017. [code].

2017   **Yossi Adi**, Einat Kermany, Yonatan Belinkov, Ofer Lavi and Yoav Goldberg, Advanced Analysis of Sentence Embedding Models Using Auxiliary Prediction Tasks, *IBM Journal of Research and Development 61.4, 3-1, 2017.*

2016   **Yossi Adi**, Joseph Keshet, Emily Cibelli, Erin Gustafson, Cynthia Clopper and Matt Goldrick, Automatic Measurement of Vowel Duration via Structured Prediction, *Journal of the Acoustical Society of America, Volume 140, Issue 6, 2016. [code].*

2016   **Yossi Adi**, Joseph Keshet, Olga Dmitrieva and Matt Goldrick, Automatic Measurement of Voice Onset Time and Prevoicing using Recurrent Neural Networks, *The 17th Annual Conference of the International Speech Communication Association (Interspeech), San Francisco, CA, USA, 2016. [code].*

2016   **Yossi Adi** and Joseph Keshet, StructED: Risk Minimization in Structured Prediction, *Journal of Machine Learning Research 17, 1-5, 2016. [website], [code].*

2015   **Yossi Adi**, Joseph Keshet and Matt Goldrick, Vowel Duration Measurement Using Deep Neural Networks, *The 25th IEEE International Workshop on Machine Learning for Signal Processing (MLSP), Boston, MA, USA, 2015.*

WORK EXPERIENCE

2017   Research Scientist (internship), Facebook AI Research, New York Lab. Working on end-to-end automatic speech recognition models.

2014-2017   Teaching Assistant, College of Management Academic Studies. Introduction to Computer Science, Data Structures, Algorithms II and OOP.

2015-2016   Machine Learning Researcher, Machine Learning Technologies Group, IBM, Haifa Research Labs.

2013-2014   Software R&D, MEDeduce. Developed data and process mining algorithms for patient medical records.

RELEVANT COURSEWORK

Courses   Machine Learning, Advanced Techniques in Machine Learning, Deep Learning, Applied Deep Learning for Text and Sequential Data, Artificial Intelligence, Advanced Topics in Artificial Intelligence, Applied Probabilistic Models in Computer Science, Computational Biology, Bio-Inspired Algorithms, Decision Making in Dynamic Changing Environments.

Seminars   Seminar on Machine Learning, Advanced Seminar in Machine Learning Methods.

OTHER INFORMATION

Music   I'm a professional drummer and very passionate about rhythm, drums and drumming. Drumming has always been my passion and very big part of my life. Here are few links to my band (Lucille Crew) and our music: YouTube, iTunes, WebSite

Interests   Drums · Music · Sound · Audio