

GABRIEL STANOVSKY

PERSONAL INFORMATION

Born in Israel, 23 September 1986

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EDUCATION

Doctor of Philosophy
2014-2018(*expected*) Bar-Ilan University
Research in computational linguistics at Bar-Ilan's NLP lab, advised by Prof. Ido Dagan.

Master of Science
2009-2012 Ben Gurion University
Graduated with Honors (Thesis Overall Grade: 97; Thesis Defense Grade: 100)
Thesis title: *Hebrew Paraphrase Identification*
Research in Hebrew natural language processing, advised by Prof. Michael Elhadad.

Bachelor of Science (Academic Reserve)
2004-2007 Ben Gurion University
Undergraduate Project: *Saya Speech Synthesis*
Integrated compatible speech gestures for the department robot receptionist, supervised by Prof. Shlomi Dolev and Michael Orlov.

FELLOWSHIPS

2015 – 2016 IBM Ph.D. Fellowship award

WORK EXPERIENCE

IBM Research
2016 Research Intern
Summer internship in San Jose, California, working with Pablo Mendes and Daniel Gruhl. Designed recurrent models which integrate external knowledge from Wikipedia to identify adverse drug reaction mentions in patient narratives. This work appeared as a long paper in the proceedings of EACL 2017.

Allen Institute for Artificial Intelligence (AI2)
2015 Research Intern
Summer internship in Seattle, Washington, at AI2's Euclid team, working with Mark Hopkins and Cristian Petrescu-Prahova. Explored the use of cascading tree transducers to solve geometric problems consisting of text and accompanying diagrams.

Bar-Ilan University
2015 - Teaching Assistant
Designed and graded the project for the Text Understanding course, given by Prof. Ido Dagan. The project guides students in developing an alignment based entailment system using various lexical resources (WordNet, PPDB, etc.).

Israeli Air Force
2011 – 2013 Avionic Software Team Leader
Led a team of 4 engineers in the development of an encoder-decoder software product. The team implemented advanced and self-tailored compression and decompression algorithms. The implementation had to conform to rigid standards: embedded, hard real time, portable and lightweight.

<i>Israeli Air Force</i>	2009 – 2011	Avionic Software Team Leader	Led a team of 3 engineers in the software development of an airborne aircraft. Designed and implemented various improvements to reduce run time and memory usage. <i>Received the unit's excellence award for the performance in this position</i>
	2007 – 2009	Avionic Software Developer	Worked as part of a team of 4 engineers which developed an embedded real-time abstraction over the operating system of an airborne aircraft. This work was performed under extremely limiting and challenging computational resources.
<i>Ben Gurion University</i>	2007	Academic Grader	Worked as a grader for the 2007 Systems Programming course. Graded three large scale programming assignments of over 100 students. Supervised by Prof. Michael Elhadad and Dr. Meni Adler.

PUBLICATIONS

1. *Integrating Deep Linguistic Features in Factuality Prediction over Unified Datasets*

Gabriel Stanovsky, Judith Eckle-Kohler, Yevgeniy Puzikov, Ido Dagan and Iryna Gurevych

ACL, Vancouver, Canada. July 2017.

2. *Acquiring Predicate Paraphrases from News Tweets*

Vered Shwartz, **Gabriel Stanovsky** and Ido Dagan

*SEM 2017, Vancouver, Canada. July 2017.

3. *Recognizing Mentions of Adverse Drug Reaction in Social Media Using Knowledge-Infused Recurrent Models*

Gabriel Stanovsky, Daniel Gruhl and Pablo N. Mendes

EACL, Valencia, Spain. April 2017.

4. *A Consolidated Open Knowledge Representation for Multiple Texts*

Rachel Wities, Vered Shwartz, **Gabriel Stanovsky**, Meni Adler, Ori Shapira, Shyam Upadhyay, Dan Roth, Eugenio Martinez Camara, Iryna Gurevych and Ido Dagan

EACL, LSDSem workshop, Valencia, Spain. April 2017.

5. *Modeling Extractive Sentence Intersection via Subtree Entailment*

Omer Levy, Ido Dagan, **Gabriel Stanovsky**, Judith Eckle-Kohler and Iryna Gurevych

COLING, Osaka, Japan. December 2016.

6. *Creating a Large Benchmark for Open Information Extraction*

Gabriel Stanovsky and Ido Dagan

EMNLP, Austin, Texas, USA. August 2016.

7. *Porting an Open Information Extraction System from English to German*

Tobias Falke, **Gabriel Stanovsky**, Iryna Gurevych and Ido Dagan

EMNLP, Austin, Texas, USA. August 2016.

8. *Annotating and Predicting Non-Restrictive Noun Phrase Modifications*

Gabriel Stanovsky and Ido Dagan

ACL, Berlin, Germany. August 2016.

9. *Specifying and Annotating Reduced Argument Span Via QA-SRL*
Gabriel Stanovsky, Ido Dagan and Meni Adler
 ACL, Berlin, Germany. August 2016.
10. *Getting More Out Of Syntax with PropS*
Gabriel Stanovsky, Jessica Ficler, Ido Dagan, Yoav Goldberg
 arXiv preprint. March 2016.
11. *Open IE as an Intermediate Structure for Semantic Tasks*
Gabriel Stanovsky, Ido Dagan and Mausam
 ACL-IJCNLP, Beijing, China. July 2015.
12. *Proposition Knowledge Graphs*
Gabriel Stanovsky, Omer Levy and Ido Dagan
 COLING, AHA workshop, Dublin, Ireland. August 2014.
13. *Intermediary Semantic Representation Through Proposition Structures*
Gabriel Stanovsky, Jessica Ficler, Ido Dagan and Yoav Goldberg
 ACL, Semantic Parsing Workshop, Baltimore, Maryland, USA. June 2014.

INVITED TALKS

- Leveraging External Knowledge in Different Tasks and Various Domains
 - August 2017, University of Washington, Seattle, Washington.
- Recognizing Mentions of Adverse Drug Reaction in Social Media Using Knowledge-Infused Recurrent Models
 - June 2017, The Bar-Ilan Symposium on Foundations of Artificial Intelligence (BISFAI), Bar-Ilan University, Israel.
- Natural Language Knowledge Representation
 - August 2016, Nuance lab seminar, Sunnyvale, California.
- Formulating, Crowdsourcing, and Predicting Better Argument Spans
 - August 2016, UKP lab, Darmstadt University, Germany.
 - July 2016, University of Washington, Seattle, Washington.
 - July 2016, IBM Research Almaden, San Jose, California.
- Open Information Extraction as Intermediate Structure for Semantic Tasks
 - August 2015, AI2 seminar, Seattle, Washington.

ACADEMIC PROFESSIONAL ACTIVITIES

- Reviewer for ACL(2016, 2017), EMNLP(2016, 2017), EACL(2017), IJCNLP(2017), COLING(2016), CoNLL(2017), RepEval(2016, 2017).

COMPUTER SKILLS

<i>Operating Systems</i>	Unix\Linux (C Shell, Bash), Microsoft Windows, MIL-STD-1750A.
<i>Communication Protocols</i>	TCP, UDP, MIL-STD-1553.
<i>Computer Languages</i>	Python, Scala, Perl, C\++, Java, Ada, 8086 assembly, and more.

OTHER INFORMATION

<i>Languages</i>	HEBREW · Native.
	ENGLISH · Full professional proficiency.
	SPANISH · Professional working proficiency.

August 13, 2017