# GABRIEL STANOVSKY

## PERSONAL INFORMATION

*Born in Israel,* 23 September 1986

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| *email* | gabriel.satanovsky@gmail.com |
| *website* | gabrielstanovsky.github.io |
| *phone* | +972-(0)545288192 |

## EDUCATION

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| *2014-2018(expected)* | **Bar-Ilan University** |

*Doctor of Philosophy*

Research in computational linguistics at Bar-Ilan's NLP lab, advised by Prof. Ido Dagan.

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| *2009-2012* | **Ben Gurion University** |

*Master of Science*

*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.

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| *2004-2007* | **Ben Gurion University** |

*Bachelor of Science (Academic Reserve)*

Undergraduate Project: *Saya Speech Synthesis*
Integrated compatible speech gestures for the department robot receptionist, supervised by Prof. Shlomi Dolev and Michael Orlov.

## FELLOWSHIPS

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| *2015 − 2016* | IBM Ph.D. Fellowship award |

## WORK EXPERIENCE

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| *2016* | **Research Intern** |

*IBM Research*

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.

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| *2015* | **Research Intern** |

*Allen Institute for Artificial Intelligence (AI2)*

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.

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| *2015 -* | **Teaching Assistant** |

*Bar-Ilan University*

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.).

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| *2011 − 2013* | **Avionic Software Team Leader** |

*Israeli Air Force*

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.

*2009 − 2011*        Avionic Software Team Leader

*Israeli Air Force*  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.
*Received the unit's excellence award for the performance in this position*

*2007 − 2009*        Avionic Software Developer

*Israeli Air Force*  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.

*2007*               Academic Grader

*Ben Gurion University*  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

- 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 NLP seminar, 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

*Operating Systems*      Unix\Linux (C Shell, Bash), Microsoft Windows, MIL-STD-1750A.

*Communication Protocols*      TCP, UDP, MIL-STD-1553.

*Computer Languages*      Python, Scala, Perl, C\++, Java, Ada, 8086 assembly, and more.

## OTHER INFORMATION

*Languages*

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| Hebrew | · | Native. |
| English | · | Full professional proficiency. |
| Spanish | · | Professional working proficiency. |

July 14, 2017