

# Shunit Agmon

29 HaChashmona'im  
street,  
Kiryat Motzkin, Israel  
2633730

Mobile +972-545662546

[shunit.agmon@gmail.com](mailto:shunit.agmon@gmail.com)

Personal website:

<https://shunita.cswp.cs.technion.ac.il/>

## EDUCATION

### Technion

Ph.D. in Computer Science 2020 - ongoing.

Researching bias mitigation in scientific data and human behavior through Natural Language Processing. Advisors: Dr. Kira Radinsky and Prof. Benny Kimelfeld.

### Technion

M.Sc. in Computer Science — 2017 - 2019

Researched possible types of collaboration between automated agents participating in a VCG auction - a game theoretic mechanism which maximizes social welfare. Advisor: Prof. Assaf Schuster.

### Technion

B.Sc. in Computer Science — 2011 - 2015

Graduated *summa cum laude*.

## PUBLICATIONS

Lital Kuchy, Ran Levy, Avihai Mejer, Noam Segev, Shunit Agmon, Miriam Farber. "[Generating Product Insights from Community Q&A](#)". CIKM 2023.

Shunit Agmon, Plia Gillis, Eric Horvitz, and Kira Radinsky. "[Gender-sensitive word embeddings for healthcare](#)". Journal of the American Medical Informatics Association (2021).

Shunit Agmon, Amir Ingber, Yuval Nezri, Michael Veksler. "Learning Phonetic Similarity Measures". Accepted as poster to: Amazon Machine Learning Conference, AMLC 2021 (internal amazon conference).

Shunit Agmon, Orna Agmon Ben-Yehuda, Assaf Schuster. "[Preventing Collusion in Cloud Computing Auctions](#)". In: Economics of Grids, Clouds, Systems, and Services - 15th International Conference, GECON 2018, Proceedings. Springer (2018)

Danielle Movsowitz, Liran Funaro, Shunit Agmon, Orna Agmon Ben-Yehuda, Orr Dunkelman. "[Why Are Repeated Auctions In RaaS Clouds Risky?](#)". In: Economics of Grids, Clouds, Systems, and Services - 15th International Conference, GECON 2018, Proceedings. Springer (2018)

## INVITED TALKS

[Addressing Biases in Data](#) (March 2022) - A talk at Women's Health Matters, NOGAFEM's third summit on gender lens in innovation.

[Gender-sensitive word embeddings for healthcare](#) (January 2022) - A talk at Journal of the American Medical Informatics Association Journal Club (webinar).

Preventing Collusion in Cloud Computing Auctions (December 2018) - A talk at DANSS - Distributed Algorithms, Networking and Security Seminar, at the Hebrew University of Jerusalem.

## WORK EXPERIENCE

### Teaching Assistant, Technion

Haifa, Israel —October 2017-ongoing

Teaching assistant of the following courses:

- Automata and Formal Languages 236353
- Intro. to Set Theory and Automata 234129

### Applied Scientist Intern, Amazon

Haifa, Israel — 2019 June - September and 2021 August - December

Summer internships at Alexa Shopping research team. Alexa is Amazon's personal assistant device.

### **Accomplishments**

- Designed, implemented and evaluated learning models for phonetic similarity measures, to be used in Alexa's automatic speech recognition system.
- Designed, implemented and evaluated various text generation pipelines to extract meaningful insights from product questions and answers.

### **Research Intern, Yahoo! (Oath)**

*Haifa, Israel — 2018 August - October*

Summer internship at the Ad Science team which uses collaborative filtering to match ads to users and contexts.

### **Accomplishments**

- Designed, implemented and evaluated a model for automatic representation level selection of hierarchical features.

### **Software Engineer, Google**

*Haifa, Israel — 2014-2017*

Started out as an intern during my last year of B.Sc. studies and then converted to full time software engineer.

### **Accomplishments**

- As part of the Live Results team, built answers to time sensitive user queries, such as information on flights, weather, and the 2016 Olympics.
- Designed and wrote code in various parts of the stack - Server side, Client side, Data, Triggering (NLP).
- Programmed in multiple languages: C++, Java, Python.

### **Software Engineering Intern, Mellanox**

*Yokneam, Israel — 2013 July-October*

### **Accomplishments**

- Programmed python tools for an automation framework.
- Designed and implemented a system for automatic reports sent by email.

### **Military Service - Intelligence Corps**

*2007-2011*

Served in the Intelligence corps technological unit. Discharged as first sergeant.

### **Accomplishments**

- Programmed a web interface to access an Oracle Database using Python Language.
- Self-learned programming libraries (Django, sqlalchemy) and gave tutorials about them afterwards.
- Worked with different OSs: Windows, Unix, Solaris.
- Worked with SQL language.

## **SCHOLARSHIPS & AWARDS**

- Three time recipient of an excellent teaching assistant award between 2020 and 2024.
- Student research prize for Cross-Discipline Collaboration in Data Science in funding of the Israeli PBC (VATAT) for 2020 - 2021 and for 2019-2020
- 2019 Technion Cyber Security Research Center Scholarship
- October 2017 - Grace Hopper Scholar - received a scholarship to attend the Grace Hopper Celebration of women in computing. There were 657 scholars out of about 15,000 applicants.
- 2017 spring semester - Dean's Excellence scholarship (1st semester of M.Sc. studies)
- 2014-2017 Received several bonuses for my contributions at Google, e.g., for automatically blacklisting flights in distress, and for building the server side infrastructure for the weather experience.
- 2011-2014 Received President's honors 4 times, and Dean's honors twice.
- 2011-2014 P.E.F scholarship - Full scholarship of excellence to study my B.Sc.

- 2010 Outstanding soldier award given by the unit commander.

## **PUBLIC OUTREACH**

- 2024 - Supported students who served on reserve duty during the Israel-Hamas war. I advised them about course and schedule adjustments and acted as their point of contact for any assistance needed.
- 2021-Present - participating in the CS-She-S program, organizing events and support for female students in the Computer Science faculty at the Technion.
- 2015 - 2020 - Volunteer for Project Mehamemet ("Amazing" in English) - a project that aims to inspire and encourage young women (9th graders) to take interest in CS by teaching them to build an Android application from scratch (<http://www.mehamemet.cyber.org.il>). In this project I volunteer to instruct the Android workshop in different high schools.
- 2014 - CS Girls meet program – Mentored a junior female computer science student. I met her every couple of weeks, advised her about the challenges she was facing, and counseled her about her future options in the industry and the academy.
- 2008 - Present - Voluntary Salsa instructor at Tel Aviv University.
- 2001 - 2008 (Summers) - Voluntary work at ILAN (Israel foundation for handicapped children) summer camp.
- 2005 - Chairperson of the Kiryat Haim branch of "Noar Le'Noar" youth organization. As chairperson I was leader of a team that included the head of the instructors, the spokesperson, and the person in charge of community voluntary work.