Ron Eliav

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EDUCATION

Ph.D. Computer Science | 2023 - Now
Bar-Ilan university, Israel
Hallucination Detection Methods. Supervised by Prof. Ido Dagan

M.Sc. Computer Science Student within direct track | Cum Laude 2022 - 2023
Bar-Ilan university, Israel
Question-and-Answer based Semantic Representation. Supervised by Prof. Ido Dagan

B.Sc. Computer Science Student | Cum Laude 2020 - 2022
Bar-Ilan university, Israel.

EXPERIENCE

AI LEADER | Amit High-Schools Israel | 2024-Now

- Developing a real-time formative feedback for high-school students in many disciplines
- Designing and developing a personalized learning system, which generates questions online for each student based on their knowledge and skills.

ML COURSE TA | CS & NS departments Bar-Ilan University, Israel | 2022-Now

- ML basics to complex architectures taught to more than 100 students.

AI REASERCHER INTERN | Business Processes Automation IBM Research | 2023

- Developing an LM-based web agent to complete natural language tasks.
- Developing self-explainable models that output minimal sufficient features for a correct prediction.

NLP RESEARCH INTERN | Prof. Yoav Artzi Cornell University, USA | 2022-2023

- Research an interactive NLP system, that combines vision and language for describing abstract images (tangrams).

ML ENGINEER | National Instruments Holon, Israel | 2021 – 2023

- Machine & Deep learning models for tabular data and computer vision.
- A full flow of ML model building. including pre-processing, active learning, incremental learning, noisy labels handling, and more

AWARDS

- The Council for Higher Education of Israel (VATAT) Scholarship for Data-Science PhD Candidates (2024-2027)
- Bar-Ilan Presidential Scholarship for Outstanding PhD Students (2023-2027)
- LxMLS - Machine Learning School Scholarship (2023)
- Outstanding Paper Award, Bar-Ilan Data Science Institute (2023)
- Ma'alot Scholarship for Students in the Direct Track to M.Sc. (2022-2023)
- Ilanot Scholarship for Outstanding B.Sc. students (2021-2022)
- Bar-Ilan Rector Outstanding Students Scholarship (2020)

PUBLICATIONS

- Anya Ji, Claire Augusta Bergey, Ron Eliav, Yoav Artzi, Robert D. Hawkins. **Ad hoc conventions generalize to new referents**. under-review
- Ron Eliav, Arie Cattan, Eran Hirsch, Shahaf Bassan, Elias Stengel-Eskin, Mohit Bansal, Ido Dagan. **CLATTER: Comprehensive Entailment Reasoning for Hallucination Detection**. under-review
- Shahaf Bassan, Shlomit Gur, Sergey Zeltyn, Konstantinos Mavrogiorgos, Ron Eliav, Dimosthenis Kyriazis. **Self-Explaining Neural Networks for Business Process Monitoring**. ICSBT 2025

- Shahaf Bassan, Shlomit Gur, Ron Eliav. **Explain Yourself, Briefly! Self-Explaining Neural Networks with Concise Sufficient Reasons**. ICLR 2025
- Ron Eliav, Anya Ji, Yoav Artzi, Robert D. Hawkins. **Semantic uncertainty guides the extension of conventions to new referents**. CogSci 2023
- Ayal Klein, Eran Hirsch, Ron Eliav, Valentina Pyatkin, Avi Caciularu, Ido Dagan. **QASem Parsing: Text-to-text Modeling of QA-based Semantics**. EMNLP 2022