

Yinon Goldshtein

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CS M.Sc. student with 3 years of hands-on experience. I am an autodidact and love big data, math and ML, channeling the magic of probability density functions to bend reality.

Work Experience

(July 2025 – Oct 2025) *IBM Research*, **AI Researcher (Summer Internship)**

- Developing a knowledge and policy injection system for LLM-based multi-agent system.
- Working on IBM's Configurable Generalist Agent (CUGA) framework: [cuga.dev](#).
- **Internship Outcomes:** 2 papers ([accepted IAAI 26'](#), pending review ICLR 26' Main Track), 1 patent pending (Policy Adherence Enforcement in Multi-Agent Systems)

(June 2023 – Oct 2023) *Nomos*, **CEO (Startup)**

- Co-founded and led a semantic search engine for legal verdict research in Israel.
- Selected and participated in the 6-month Technion BizTec accelerator program.

(June 2022 – June 2023) *Habana Labs, an Intel Company*, **Student Software Engineer**

- Developed features to a system test framework used by System department teams.
- Implemented component behaviors to be used in future flagship products.

(October 2021 – June 2022) *GE Healthcare*, **Student Data Engineer**

- Built a data ETL pipeline for field operation data streamed to AWS.

(June 2021 – May 2022) *Computer Science Student Committee, Technion*, **Chairperson**

- Led and managed a 90-member student committee, overseeing all operations.

Education

(Oct 2023 – present) **M.Sc. in Computer Science, Technion**, current GPA: 98.7

- **Thesis subject:** LLM-based Agents in Water Distribution Systems Modeling, Decision Making and Management. Supervised by Prof. Assaf Schuster.
- **First Author Papers:** "Large Language Models for Water Distribution Systems Modeling and Decision-Making", *EWRI 25'*.
- **Course TA:** 234125 – Numerical Algo, 234124 – Intro to System Programming.

(2018 – 2023) **B.Sc. in Computer Science, Technion**, Machine Learning track

- President's list, Spring 2023
- 2nd place winner in CS Technion Hackathons (2023, 2024) out of 35 teams.

Projects

- **NVIDIA Data Loading Library Plugin** – Developed a plugin for NVIDIA DALI that achieved up to 40% loading time reduction and 30% memory usage for massive HDF5 files.

Skills

- **Programming languages:** Python, C++, Bash, SQL.
- **Other:** Agentic AI, Multi-Agent Systems, Vision-Language Models, Information Retrieval.

Languages: **English:** Fluent | **Hebrew:** Native