Yinon Goldshtein

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

Education

(Oct 2023 – Sep 2025) **M.Sc. in Computer Science, Technion**, current GPA: 98.7.

- **Thesis subject (ongoing)**: Integrating 3D CT Data into Multimodal Large Language Models via Expert Model Sampling. Supervised under 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.

Work Experience

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

- 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*, **Software Engineer Student**

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

Projects

- **Water Distribution Code Assistant** – Developed a self-correcting code generation framework using LLM agents for water distribution network analysis and simulation. Research collaboration with Prof. Avi Ostfeld. Paper accepted to EWRI 25' conference.
- **CS Technion's Hackathon, 2024** – Won 2nd place out of 35 groups. Developed an AI tool that improves psychotherapy intervention, using a therapist-tuned local Large Language Model (LLM) for personalized task generation, data digestion and patient KPI detection.
- **Nomos, Verdict Semantic Search Engine** (startup) – Co-founded a semantic search engine for legal research. Participated in the 6-months Technion BizTec accelerator.
- **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.

Leadership Experience

(June 2021 – May 2022) **Chairperson of the CS Student Committee, Technion**

- Volunteered to lead the student committee consisting of 90 students.
- Directed communication with faculty, day-to-day operations and event organization.

Skills

- **Programming languages**: Python, C++, Bash, SQL.
- **Other:** VLM, Information Retrieval, Agentic AI, RAG, NLP, Computer Vision.

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