Yinon Goldshtein

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CS M.Sc. student with a strong background in deep learning and 2 years of development and hands-on experience. I like to keep myself up to date with the latest ML technology.

Education

- (Oct 2023 – Present) **M.Sc. in Computer Science at the Technion**, *Prof. Assaf Schuster.* **Thesis title**: Predicting Pathological Response to Radiotherapy Treatment in Colorectal Cancer Patients Using Deep Learning. Subjects: *Computer Vision, VLMs, SSL*.
- (2018 – 2023) **B.Sc. in Computer Science at the 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

- **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, Hebrew Verdict Semantic Search Engine** (startup) – Co-founder and key developer of a semantic search engine for verdicts in Hebrew to significantly reduce man-hours in legal research. Utilized search on a vector database of custom embeddings to get relevant results. Participated in the 6-months Technion BizTec accelerator.
- **NVIDIA Data Loading Library Contribution** – Developed a plugin for NVIDIA DALI that enables creating a custom data loading pipeline for massive HDF5 files. Achieved up to 40% loading time reduction and 30% memory usage on GPU.
- **CS Technion's Hackathon, 2023** – Won 2nd place out of 40 groups. Developed in collaboration with Rambam a solution to improve patients' post-discharge care.

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:** Computer Vision, NLP, VLM, Information Retrieval, Self-Supervised Learning.

Languages

Hebrew: Native | **English**: Fluent