

# 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, Transformers, 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

- **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 HDF5 Support** – Developed a plugin for NVIDIA DALI that enables creating a custom data loading pipeline for massive HDF5 files. Achieved a 40% loading time reduction and 30% memory usage on GPU.
- **CS Technion's Hackathon** – Won 2<sup>nd</sup> place out of 40 groups. Developed in collaboration with Rambam a solution to improve patients' follow-up care after hospital discharge.
- **Project in Deep Learning** – Implemented novel deep learning methods on adversarial attacks for vision neural networks, guided by VISTA Lab at Technion's CS faculty.

## 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:** Deep Learning, Computer Vision, NLP, Information Retrieval, Self-Supervised Learning (SSL), Optimization, PyTorch.

## Languages

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