Liron Soffer

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Work Experience

2020 – 2025: Sunbit

2025 (7 months): Innovation AI/ML Engineer (AI/ML Guild Tech Lead)
- Joined the newly formed **Innovation Team** focused on GenAI as the group's AI/ML lead, later guiding its transition into a larger task force with additional data scientists and developers.
- **Co-designed and implemented an agentic LLM workflow** that delivers automated, context-aware response suggestions for call-center representatives.

2022 – 2025: Risk Team Lead
- Led a cross-functional team of backend Python engineers, data analysts, and AI/ML engineers to manage financial risk.
- Collaborated with business and senior leadership to ensure risk management strategies align with evolving business needs.
- Developed a **transformer model** on top of financial data, leveraging large-scale pretraining and fine-tuning on labeled data to assess customer default probability.

2020 – 2022: Data Scientist | AI/ML Engineer
- Developed and deployed a **2D-Autoregressive machine learning model** to predict loan loss and cash-on-cash returns for the entire loan portfolio.
- Owned the end-to-end solution, from data ingestion and feature engineering to deploying the model in production.
- Built an interactive **Streamlit dashboard** to enable business stakeholders to visualize and act on predictive insights.

2019 – 2020: Data Scientist at Cyber Analytics
- Designed and implemented end-to-end machine learning solutions, managing the full lifecycle from data collection and modeling to feature engineering, algorithm selection, and solution evaluation.

Education

2025 - Today: Tel Aviv University
Master of Science (M.Sc), Industrial Engineering

Advisor: Dr. Chen Shani

Subject: Interpretability and concept understanding in LLMs

C Shani, **L Soffer**, D Jurafsky, Y LeCun, R Shwartz-Ziv, "From Tokens to Thoughts: How LLMs and Humans Trade Compression for Meaning" (In Review)

2015 – 2020: Technion
Bachelor of Science (B.sc), Industrial Engineering - Business Information Systems
Minor: Entrepreneurship;

Special Courses: Artificial Intelligence (AI), Machine Learning, Deep Learning

Additional Projects

2025 – GenAI Curation Challenge (Baot in collaboration with Immunai): Collaborated in a 10-member cross-functional team (data scientists, engineers, developers) to build an LLM-based agentic flow for extracting metadata from RNA-seq studies.

2022 – Speaker at PyCon Israel: Delivered a talk on *"Web Apps for Data Science Using Streamlit,"* demonstrating how to build interactive, user-friendly web applications for machine learning and data analytics. [Watch here](#).

2020 - GANILLA Implementation (MDLI Community Course Final Project): Implemented the paper *"GANILLA: Generative adversarial networks for image to illustration translation"* ([arxiv](#)), as a personal project exploring generative models.

Skills

Programming & Tools: Python, SQL, MongoDB, Git, Docker, Kubernetes, Streamlit

Machine Learning & AI: PyTorch, Hugging Face, Sklearn, Pandas, Transformer Models, LangChain, LangGraph

Languages

Hebrew – Native Tongue | **English** – Fluent