



Profile

Researcher with a strong quantitative foundation in physics and computer science. Builds machine learning and statistical models end-to-end and turns ambiguous, high-stakes problems into rigorous, data-driven solutions. Experience spans deep learning, large language models and statistical inference, with a track record of leading research teams and shipping production data products.

Experience

IAF Operations Research Branch

2024–Present

- Section Officer
 - Developed quantitative and statistical models to estimate system performance and operational effectiveness, driving capability prioritization and resource-allocation decisions for senior decision-makers.
- Israel Defense Prize
 - For contribution to the development of technological and operational capability.

8200

2022–2024

- Operations Research
 - Led operations research and statistical performance evaluation to certify SIGINT and ELINT systems against operational standards.
- Operations Research Team Lead, Data Science Team Lead
 - Led Operations Research and Data Science teams, owning hiring, mentoring and technical qualification development.
 - Designed and delivered end-to-end data products and machine learning pipelines supporting analytical and operational decision-making.

Education

HUJI

2023–Present

- M.Sc. Computer Science (Research Master’s)
 - Research focuses on machine learning for formal reasoning: fine-tuning large language models for automated theorem proving using reinforcement learning and verifier-based rewards in Lean.

BIU

2018–2021

- B.Sc. Physics (The Program for Youth Gifted in Mathematics), GPA: 90

Skills

Research	Machine Learning: Deep Learning, LLMs / NLP, Reinforcement Learning, Anomaly Detection, Unsupervised Learning, Gradient Boosting Statistics: Bayesian Inference, Estimation, Hypothesis Testing, Survival Analysis, Covariance Analysis Topics: Optimization, Algorithm Design, Decision Making, Specification Verification, RF, GNSS
Development	Methodology: OOP, Data Structures, Algorithms Languages: Python, SQL, HTML, MATLAB Databases: Oracle, MongoDB, SQL Server
Tools	Python: PyTorch, TensorFlow, Hugging Face (Transformers, Accelerate), NumPy, Pandas, scikit-learn, SciPy, XGBoost, NLTK, NetworkX, SHAP, Matplotlib, Plotly, Seaborn Visualization: Tableau

Languages

Hebrew: Native speaker **English:** Highly proficient