

Matan Itah

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AI Engineer and Data Scientist translating complex problems into reliable, production-ready machine learning systems. I thrive at the intersection of rigorous mathematics, practical engineering, and meaningful impact.

Leadership and Work Experience

Healthee - Data Scientist New York, NY 7/2025-Present

- Owned, end-to-end, “The Driller”, a specialized AI healthcare contract-analysis pipeline.
- Created a custom benchmarking/evaluation framework to analyze ground-truth made by human analysts, compared several AI pipeline outputs and selected the winner and ultimate inference pipeline.
- Deployed components of the pipeline in Kubernetes and Sagemaker, as well as a fully deployed dashboard which enabled failure modes analysis and collaboration with the business.
- Employed tools like Kafka, NVIDIA NeMo, and a GPU-deployed cross-encoder to improve pipeline performance, token efficiency, and ROI.

The Cigna Group - TECDP Lead Analyst New York, NY 7/2023-7/2025

- Led R&D and deployment of advanced AI/ML techniques including Retrieval Augmented Generation (RAG), agentic reasoning, knowledge graphs, GANs, VAEs, and fine-tuning LLM query generation tasks.
- Managed multiple data science projects, including a declarative framework for generating knowledge graphs from business data.
- Conducted R&D on synthetic data generation techniques, and working on a metadata generation tool.
- Spearheaded rapid development initiatives of AI/ML concept proof for business stakeholders.

GoldenTree Asset Management - Alternative Data Intern New York, NY Summer Intern 2022

- Sourced and analyzed diverse investment datasets, supporting strategic investment decision-making in sectors ranging from amusement parks to political spending.
- Developed predictive models and forecasts through financial data analysis, contributing to investment insights for the analysts on the trading floor.

Amazon - Software Development New York, NY Summer Intern 2021

- Owned key components of a backend development project aimed at reducing the resolution time of critical infrastructure issues through data collection and analysis.
- Engaged with senior engineers, to help design system refinement and optimization tools.

Education

UC San Diego - Bachelors in Mathematics & Computer Science

Class of 2023

Personal Projects, Skills, Languages, Licenses and Hobbies

- RL Ant Colony: made an open source contribution to PufferLib, an open source reinforcement learning library with state-of-the-art computational efficiency using C code and CUDA.
- Github Projects: Emergant, Evolvium, and many more. See my Github or ask me about them!
- Human Languages: English, French, Hebrew, Spanish
- Certifications: Emergency Medical Technician, AWS Certified Cloud Practitioner