

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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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