

## Matan Itah

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

Classes centered on mathematical fundamentals in set theory, statistics, combinatorics, linear algebra, and real analysis, as well as a strong general education in computer science, business/economics, and history.

**Joel Barlow High School - HS Diploma** Class of 2019

Served for two years as captain of the school's FIRST robotics team and taught AP CSP as a senior project.

### Personal Projects, Languages, Licenses and Hobbies

- RL Ant Colony: made an open source contribution to PufferLib. Read more at [matanitah.com](https://matanitah.com)
- Github Projects: Emergant, Evolvium, and many more. Read more at [matanitah.com](https://matanitah.com)
- Languages + Certifications: Fluent speaker of English, French, Hebrew, Spanish + NYS EMT certified