

# Matan Itah

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## Leadership and Work Experience

### **The Cigna Group - TECDP Lead Analyst 7/2023-Present**

- Leading the research and deployment of advanced AI/ML techniques including Retrieval Augmented Generation (RAG), agentic reasoning, knowledge graphs, GANs, VAEs, and fine-tuning large language models for query generation tasks.
- Managing multiple data science projects, including a declarative framework for generating knowledge graphs from business data, conducting R&D on synthetic data generation techniques, and working on a metadata generation tool.
- Spearheading rapid development initiatives to prove out AI/ML tools and techniques to business stakeholders.

### **Golden Tree Asset Management - Alternative Data Intern 6/2022-8/2022**

- Collaborated within the Alternative Data team to source and analyze diverse 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 Intern 6/2021-9/2021**

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

### **RSN Interiors - Construction Worker 6/2020 - 9/2020**

- Acquired hands-on experience in both residential and commercial construction, including demolition, carpentry, framing, and sheetrock installation.
- Developed a strong work ethic and a versatile set of practical skills applicable to team-based projects.

## Education

### **UC San Diego, San Diego, CA**

- Bachelors in Mathematics & Computer Science
- Cumulative GPA: 3.44

## Skills, Languages, Licenses and Hobbies

- **Programming Languages:** Python, Terraform, Java, C/C++, Typescript + JS, HTML/CSS
- **Human Languages:** English, French, Hebrew, Spanish
- **Certifications:** AWS Certified Cloud Practitioner
- **Personal Projects:** Evolvium (Evolution Simulator), Emergant (Ant Colony RL / Neuroevolution), DojoVision (fine-tuned VLM for martial arts technique coaching). See my [Github](#)!