

Max Matkovski

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Summary

I am a data scientist and machine learning engineer based in Israel. With training from UCLA and Georgia Tech, I have a strong technical background as well as a native understanding of English and the American market. I am an expert in translating business use cases into production-level data analytics and machine learning systems. I have worked extensively with companies of varying sizes, including Y Combinator startups and larger enterprise companies. My strengths include communicating with non-technical stakeholders and customers and developing technologies efficiently across organizations.

Experience

Ontra Mobility (Y Combinator S24) – Transportation SaaS

San Francisco, CA

Machine Learning Engineer

2024 – 2025

- Served as the company's first ML/data hire, owning data infrastructure, operational analytics, and model-driven workflows across 2,000+ weekly public transit rides, using Python, SQL, and PostgreSQL.
- Built end-to-end ingestion pipelines for real-time vehicle telemetry, converting Protobuf → JSON and streaming raw packets through AWS Kinesis and AWS Lambda, processing 50k–100k daily pings stored in AWS S3.
- Cleaned, validated, and structured large-scale mobility datasets using Pandas and geospatial techniques, reducing noise by ~25% through outlier filtering and data cleaning, enabling reliable ML experimentation with scikit-learn.

Zultys – Telecommunications SaaS

San Francisco, CA

Machine Learning Integration Engineer

2023 – 2024

- Integrated OpenAI's Whisper model into the Zultys communications platform, delivering a 31% improvement in transcription accuracy over the previous ASR system.
- Developed and deployed Whisper inference services on AWS EC2 (Ubuntu), optimizing model size, VRAM, CPU, and I/O to balance accuracy, latency, and cloud cost.
- Built a full-stack interface for voicemails and phone calls using HTTP, NGINX, HTML/CSS, and JavaScript.

Finphil – Fintech Platform

Los Angeles, CA

Data Scientist

2022 - 2023

- Managed SQLite user-behavior data and ran A/B tests, improving User Satisfaction Scores by 15%
- Performed PySpark-based ETL with AWS S3/Kinesis, ensuring accurate and reliable analytics data.
- Built content-based and collaborative filtering recommenders for 90 investment sectors (Python, TensorFlow).

Education

Georgia Institute of Technology

Atlanta, GA (Remote)

Master of Science, MS – Computer Science (Artificial Intelligence, Machine Learning)

2026

Relevant coursework: Graduate Machine Learning, Deep Learning, Algorithmic Trading, Network Science, Natural Language Processing, Research under Professor Patricio Vela in Reinforcement Learning for Autonomous Robots

University of California, Los Angeles

Los Angeles, CA

Bachelor of Science, BS – Computer Science, Cognitive Science

2023

Relevant coursework: Data Structures and Algorithms, Python Software Engineering, Operating Systems, Computer Architecture, Database Systems, Machine Learning, Financial Accounting, Venture Capital, Financial Analysis

Skills & Interests

Technical: Python, SQL, C++, Machine Learning, Data Engineering, PyTorch, TensorFlow, AWS, React, ETL/Data Pipelines, Microsoft Excel, PowerBI, Tableau, PySpark, LLM/Prompt Engineering

Language: *Native:* English, *Proficient:* Hebrew, Spanish, Portuguese, Russian *Basic:* Farsi, Italian

Interests: Markets, Golf, Ice Hockey, Solo World Travel