
Max Matkovski

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Experience

Ontra Mobility (YC 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.
- Collaborated with the CEO and operations leads to translate telemetry and SQL-backed operational metrics into decisions that improved routing efficiency by 12–18% in high-demand service zones.
- Created KPI dashboards and monitoring tools using Google Sheets and Tableau, surfacing utilization, trip-length distributions, and idle-time ratios for investor updates and unit-economics modeling ahead of YC Demo Day.

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 transcription interface for voicemails and phone calls using HTTP, NGINX, HTML/CSS, and JavaScript, enabling seamless speech-to-text workflows for enterprise users.
- Collaborated with engineering and product stakeholders to define ASR requirements, validate performance benchmarks, and ensure smooth integration into production systems.

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).
- Created 60+ PowerBI dashboards to track KPIs and support product and sales insights.

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

Education

Georgia Institute of Technology

Atlanta, GA

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

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

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