
Max Matkovski

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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

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.

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

Projects

Autonomous AI Phishing Detection System – Cybersecurity ML Agent

- Built autonomous email security agent using Claude 4 and Model Context Protocol that processes 2,800+ daily emails with <5% false positive rate, implementing intelligent cost optimization that reduced API calls by 60%.

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