

Talex Maxim

STAFF AI ENGINEER / DATA SCIENTIST / SECURITY RESEARCHER

taimax13@gmail.com | taimax13.github.io

GitHub: taimax13 | LinkedIn: talex-maxim

PROFILE

AI engineer and security researcher working across production ML, agentic systems, cloud infrastructure, and data engineering. Develop Python and TypeScript services, observable agent workflows, and ML operations for reliable production systems. Registered PhD Researcher at the University of Greenwich investigating security and trust in agentic AI. Creator of Chagu, with independent research into anomaly detection, provenance graphs, and blockchain accountability.

RESEARCH AND RECENT ENGINEERING EXPERIENCE

Chagu

August 2024 - Present

Creator, AI Data Scientist & Researcher

Independent protocol development and AI security research involving anomaly detection, provenance graphs, and blockchain accountability.

Dream team • Global corporation

2025 - Present

Staff AI Engineer

- Built incident-response agents connecting alerts, metrics, logs, and runbooks to investigation and controlled remediation on GCP Cloud Run and Vertex AI.
- Developed proactive anomaly detection with seasonal baselines, robust statistics, and change detection, including feedback, deduplication, severity gates, and cooldowns.
- Shaped AI platform services using LiteLLM model routing, Langfuse tracing, Temporal workflows, and PostgreSQL.

Cybersecurity company

January 2026 - September 2026

AI Data Scientist

- Developed evaluation and benchmarking workflows for autonomous security agents, including ground-truth mapping, finding quality, severity, recall, and coverage across repeated runs.
- Worked on SAST and DAST, YARA and Opengrep, node security, deterministic attack-path and exposure analysis, exploit validation, and sandboxed testing.
- Researched agentic AI guardrail exposure and monitoring; connected telemetry to BigQuery and reproducible dashboards for performance and regression analysis.

Check Point

2024 - End of 2025

Senior DevOps & MLOps Engineer

- Automated model training, validation, and deployment workflows with SageMaker, Kubeflow, and MLflow; worked with TensorFlow, Keras, and PyTorch.
- Built reproducible cloud and Kubernetes infrastructure with Terraform and Ansible, with Prometheus, Datadog, and Grafana monitoring for models and pipelines.

APPLIED ML RESEARCH

SARAD and SAR imagery

Co-developed SAR-image anomaly detection using RX statistics, autoencoder reconstruction, and score fusion. Optimized GPU input pipelines through window batching and TFRecords.

EARLIER ENGINEERING EXPERIENCE

Ezbob

2022 - 2024

Senior DevOps & MLOps Engineer

Developed large-scale ML infrastructure and ETL pipelines for production data applications; parallelized algorithms to improve latency and integrated ML into engineering workflows.

Pagaya

2021 - 2022

Principal DevOps Software Engineer

Built release and deployment tooling for ML decision workflows and ETL pipelines with Airflow and AWS Glue; supported capacity planning, high availability, and performance tuning.

Pyramid Analytics | DevOps, DataOps, Automation - Big Data | 2020 - 2021

Infibond | DevOps, DataOps Engineer | 2019 - 2020

Colabo | Senior Automation & DevOps Engineer | 2018 - 2019

Ping Identity | Automation and Infrastructure Engineer | 2016 - 2018

TECHNICAL PRACTICE

Languages and ML: Python, TypeScript, SQL, PyTorch, TensorFlow, scikit-learn, SageMaker, Kubeflow, MLflow

Agentic systems: Vertex AI, Bedrock, OpenAI, LiteLLM, Langfuse, LangChain, Temporal

Data and infrastructure: AWS, GCP, Kubernetes, Docker, Terraform, Airflow, AWS Glue, PostgreSQL, Redis, Neo4j, BigQuery

Observability and security: Prometheus, Grafana, Datadog, SAST, DAST, YARA, Opengrep, sandboxed testing, guardrail monitoring

EDUCATION AND DOCTORAL RESEARCH

PhD Researcher, Computer Science

University of Greenwich - Registered researcher

Specialist Diploma - Mathematics & Statistics, Quantitative Finance Focus

Stavropol State Agricultural University

MBA

Bologna

CERTIFICATIONS AND FELLOWSHIP

AI Performance Engineering Fellowship - Nebius Academy

Nebius Agentic AI Builder - Nebius Academy | [Credential](#)

Advanced Data Science - Y-Data

AWS Certified Solutions Architect - AWS

Machine Learning Certificate - AlgoExpert

Big Data Engineering - NAYA College

Neo4j NODES 2025 speaker. Writing on AI security and observability