

Mark Temchenko

AI ENGINEER

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Experience

All roles held concurrently with BSc at University of Amsterdam (2023–2026).

QuotaClimat (French Media Watchdog)

Amsterdam, Netherlands (Remote)

TECHNICAL LEAD & ML ENGINEER

Feb. 2026 – Jun. 2026

- Led a 5-person team building a media-framing tool behind QuotaClimat's regulatory filings to French regulator ARCOM; scoped the product, set targets with the partner, and beat the existing keyword-based classifier.
- Owned the architecture and deployed it end-to-end: session-parallel Python scraper with rate-limit handling and session rotation (~2k articles/hr, horizontally scalable), SQL database, React/Next.js frontend in TypeScript, Docker deployment.
- Collaborated on fine-tuning and iterating two multilingual RoBERTa classifiers on ~20,000 articles from 781 outlets; models support 100+ languages, with tested languages retaining F1 macro within ~11% of the French-language baseline (0.82).
- Presented via interactive live demo; placed 2nd for the Environmental Award.

Twin AI (VC-backed AI Automation Startup)

Amsterdam, Netherlands

FORWARD DEPLOYED ENGINEER

Nov. 2025 – Feb. 2026

- Led the pre-launch build of Twin AI's AI presentation-generation product for a major international food producer (sales across 100+ countries) as primary technical contact, owning the product from discovery and requirements through architecture and build.
- Automated a ~4-5 hour manual workflow into on-demand generation: pulled prospective-partner data from several company sources, suggested products to pitch, devised key partnering points, and auto-populated the presentation template.
- Ran weekly release cycles and client demos; made the build-vs-extend platform call: prototyped on Twin AI's internal workflow engine, identified where its grant-automation assumptions broke, and rebuilt standalone as sole developer, owning the full stack and backend API (Next.js, TypeScript).
- Onboarded and mentored the incoming AI Automation Engineer.

AI AUTOMATION ENGINEER

Mar. 2025 – Oct. 2025

- Clients' grant teams spent days per application, pulling data by hand from Salesforce, Bynder and internal docs. Built the LLM pipeline end-to-end: requirement parsing → task decomposition → context injection via hand-built Salesforce/Bynder integrations → generation → LLM-as-judge scoring against grant requirements and internal metrics. Live with 4 enterprise clients: submission-ready applications in ~2 min, expert review the only manual step, ~€360k/yr labor savings (one reviewer per client instead of ~3 grant staff).
- Worked with the CEO and CTO on context ingestion and per-section prompt design, which now power the company's main product; reused the architecture for an HR screening system integrated with a client's ATS.

OceansX (UvA Partner Project)

Amsterdam, Netherlands

MACHINE LEARNING ENGINEER

Sep. 2024 – Feb. 2025

- Led a 4-person team; set targets with the supervising PhD researcher: a working data-collection filter and analysis of what models attend to.
- Converted ~600 hours of interview footage and scraped YouTube content into structured training data via an automated pipeline (BeautifulSoup, Selenium, OpenAI Whisper).
- Built classification models (Random Forest, SVM, BERT) in PyTorch with LIME/SHAP interpretation for well-being research.
- Deployed models to Hugging Face for an interactive demo; won 1st place in the Well-Being track at a competition.

Altai Electronics – OZON Marketplace

Moscow, Russia

CO-FOUNDER

Oct. 2022 – Sep. 2023

- Built a supply chain across three Chinese manufacturing regions; owned supplier negotiation and pricing; ~€27k revenue at ~60% margins.

Projects

Pesto – Restaurant Ordering & Management System

FULL-STACK DEVELOPER

2026 – Present

- All-in-one restaurant platform: QR ordering and payment, POS, kitchen display, inventory with recipe costing, staff roles, analytics.
- OCR + LLM pipeline turning menu photos into structured menus (prices, allergens, nutrition, up to 10 languages), tested against expected JSON.
- Stripe Connect payments with automatic fiscal receipts sent to the tax authority; Next.js PWA, NestJS, PostgreSQL.

Education

University of Amsterdam (UvA)

Amsterdam, Netherlands

MATHEMATICS OF ML, PROBABILITY THEORY, CUDA IN C | BSC COMPUTATIONAL SOCIAL SCIENCE – GPA: 8.0/9

Sep. 2023 – Jun. 2026

- Topics: optimisation, Bayesian model evaluation, ensemble methods, NLP, time-series, stochastic processes, sampling distributions.

International Baccalaureate (IB) Diploma Programme

Moscow, Russia

EUROPEAN GYMNASIUM – TOTAL: 37/45 – HL: MATHEMATICS (AI), BUSINESS & MANAGEMENT, ENGLISH B

Sep. 2020 – May 2023

Leadership & Activities

2022

Olympiad Task Creator, 23 CTF-style security challenges for the Moscow city olympiad

Moscow, Russia

Skills

- Machine Learning / GenAI:** PyTorch, Hugging Face, OpenAI/Claude/Gemini API, Google Cloud OCR, Ollama, LLM-as-judge evals, Claude Code
- Programming Languages:** Python, SQL, JavaScript, TypeScript, C, HTML/CSS
- Backend:** Node.js, NestJS, Flask, REST APIs, PostgreSQL / SQLite
- Front End:** React, Next.js, Bootstrap
- Tools & DevOps:** Git, Docker, Kubernetes, AWS, Linux (Arch, Ubuntu)
- Languages:** Russian – Native (C2), English – Advanced (C1), German – Basic (A1)