
Stanislav Kraskov

ML Engineer - Computer Vision / Document AI / Applied AI

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Experience

GAZPROM NEFT - ML / Document AI (2026 - present)

Hybrid HTR pipeline for historical documents: RF-DETR detection, TrOCR handwriting OCR, Qwen3-VL 4B table localisation/OCR (LM Studio), Qwen3.6 27B structured extraction, deterministic evidence-based validation. RAG preprocessing for technical documents.

Freelance - Python Developer (Mar 2024 - Jul 2025)

FastAPI REST APIs, asyncio, Telegram bots, web apps, Linux/Nginx deployment.

Flagship Projects

B2 + TinyHiRes - Small Object Segmentation (architecture project)

Shared MiT-B2 encoder + lightweight high-res encoder + strong FPN decoder.

Tiny mask Dice 0.324 -> 0.487 (+50% relative) at 97.45 strict GFLOPs; 10,370 val images.

Daimler DOT - Scientific ML Ensemble

Deep Sets / Set Transformer multi-branch ensemble; -45.7% and -30.8% normalized MAE (delta viscosity, oxidation) vs linear baseline; 5-fold OOF validation.

Wheelies - Waste Detection: 2nd place, Wheelies Hackathon 2025. YOLO multi-stage fine-tuning.

Recognition

Wheelies Hackathon 2025 - 2nd place | NTO 2024/2025 - Finalist x2 (AI, ATS)

MTS True Tech Champ 2025 - Semifinalist

Education

Saint Petersburg State University (SPbU), 2025 - 2029

Applied Mathematics and Computer Science