Iaroslav Pudovkin

ML Engineer | Kaggle Competitions Master | Highest rank #330

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Competitions

Gold, 4th of 10,148 teams: Kaggriculture 2026

- One-pass transformer that plays the whole turn, trained by imitation; $0 compute. Writeup, code, model

Silver, 66th of 6,807: The Pokémon Company, PTCG AI Battle Challenge 2026

Silver, 189th of 4,729: Orbit Wars 2026

Silver, 299th of 6,125: ROGII, Wellbore Geology Prediction 2026

Bronze, 280th of 3,805: CSIRO, Image2Biomass Prediction 2026

Experience

ML Engineer, Central University 2026 – present

- Core developer of the university's ML competition platform, end to end: submission orchestration, evaluation, notebooks, datasets, model catalog.

ML Engineer, T-Bank 2025 – 2026

- Product search: hybrid retrieval and reranking.
- Built an assessor system for search quality evaluation.

Research

Medical ML paper with N. N. Burdenko National Medical Research Center of Neurosurgery In preparation
Iaroslav Pudovkin (first author), et al.
(Target venue IEEE)

Education

Central University, BSc in Mathematics and Computer Science 2025 – present

Yandex Lyceum, Industrial programming; Machine Learning specialization 2022 – 2024

Honors

- **Two-time winner**, Yandex Lyceum Open Contest
- **Winner**, Yandex Lyceum Machine Learning track
- **Winner**, HSE University hackathon "Exprom(p)t", Sber case
- **Prize-winner**, National Technology Olympiad (NTO), Programming and Engineering
- **Finalist**, PROD and HSE "Vysshaya Proba" olympiads
- 20+ hackathons with wins and prizes

Skills

Languages: Python, Rust, JS/TS, SQL

ML: PyTorch, JAX, scikit-learn, CatBoost/XGBoost/LightGBM, TabPFN, TabM, AutoGluon, timm, reinforcement and imitation learning, NER, interpretability

LLM: Transformers, PEFT, LangGraph, PydanticAI, agents, RAG, hybrid retrieval, rerankers

Tooling: Optuna, Hydra, W&B, TensorBoard, MLflow, Gymnasium, Polars, Numba, PyO3

Serving: Triton Inference Server, vLLM, llama.cpp, ONNX Runtime, bitsandbytes

Infra: Docker, Kubernetes, Helm, Argo CD, Terraform, GitLab CI, Prometheus, Grafana

Services: FastAPI, Django, gRPC, Celery, PostgreSQL, Redis, ClickHouse, RabbitMQ, Milvus, Qdrant, Elasticsearch, React, Next.js