Ilya Grigorev

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Python Developer · backend, data, ML

Moscow, Russia · open to internships and junior roles, alongside my studies

SUMMARY

Student at RTU MIREA. I build end-to-end Python services: backend, data work, ML and deployment to my own server. Latest project — Repo Health at LCT 2026: the service scored all 23,369 open repositories on SourceCraft and runs at repohealth.ru. 3rd place at the Inter RAO hackathon with Draftsman, built solo; wins at Sirius AI × Medsi, Sirius Summer and Big Challenges. English C1.

EXPERIENCE

ML Intern · Twin — 2025
- Tuned LLMs for product tasks: compared models on quality and speed, chose prompts and parameters
- Researched new models and wrote up findings for the team

Freelance developer · client work — 2026
- Android app and server for a taxi fleet (Kotlin, Node.js, own OSRM, Fleet API): the driver's earnings per order over their app, 80+ releases; sites and bots for small businesses

PROJECTS

Draftsman · **3rd place**, Inter RAO hackathon 2026, bpmn.z1nex.ru — `Python · LLM · bpmn-js`
- An AI assistant, built solo: turns a process description into a BPMN 2.0 diagram and a regulation in the client's format
- The model writes code for a sandbox, graph algorithms complete the structure: F1 0.96, 100% pass XSD, 72 s

Repo Health · LCT 2026, repohealth.ru — `Python · FastAPI · PostgreSQL · React · Docker`
- Health scoring for open SourceCraft repositories: a 0–100 Score across six categories, explained down to each metric, with recommendations
- Scored the whole catalog of 23,369 repositories; scheduled rescoring through a queue of scalable workers
- Sign-in with Yandex ID, PDF and Markdown reports; production: 8 Docker Compose containers, Caddy, HTTPS

Control center for LLM agents · self-hosted, 2026 — `Node.js · SQLite · LLM · Ollama`
- Task queue with leases and cancellation for agents on a Mac and a VPS; a strong model plans, a local one in Ollama does the work, code checks it

Card Index · Inter RAO hackathon 2026, court.z1nex.ru — `Python · Tesseract · LLM`
- A register from court PDFs, scans and XML plus an email to the lawyer; 99.1% of fields correct on new documents

Atlas of Local Economies · SberIndex contest 2026, z1nex.ru/atlas — `scikit-learn · PyTorch · D3`
- A typology of 2,016 municipalities by spending: graph clustering, eight methods, a D3 map

Sirius AI projects · T-Bank 2024 · Medsi 2023, winner — `Python · NLP · LLM · scikit-learn`
- T-Bank: complaint topics from banki.ru and sravni.ru reviews (local LLM, clustering); Medsi: NLP features from free-text patient complaints for a predictive model

HACKATHONS AND CONTESTS

2026 **AI Assistants for Energy, Inter RAO** — **3rd place**, Draftsman; final in Moscow
2026 **Leaders of Digital Transformation (LCT)** — SourceCraft case (Yandex Cloud), Repo Health project
2026 **SberIndex contest**, **O! Hackathon by Ostrovok**, **Moscow Transport Hackathon**, **Alfa Future**
2024 **Big Challenges** — winner, media platform for the "Bez Pokryshek 71" tire recycling project
2024 **Sirius Summer** — winner; **Sirius AI × T-Bank**
2023 **Sirius AI × Medsi** — winner
Prize winner of regional olympiads in math, physics, computer science and robotics; conference talks

SKILLS

Backend	Python, FastAPI, Django, asyncio, aiogram, REST API
Data and ML	PostgreSQL, SQLite, pandas, scikit-learn, graph clustering, NLP, OCR, LLM, Ollama
Infrastructure	Docker Compose, Linux, VPS, Caddy, Git, pytest
Frontend	JavaScript, TypeScript, React, D3, Node.js
Languages	Russian — native, English — C1, German — A2–B1

EDUCATION

RTU MIREA, bachelor's — 2025 – 2029
Sozvezdie Center for Gifted Youth — 2023 – 2025
MIPT correspondence school, MSU SSC — 2021 – 2023
Yandex Lyceum — 2020 – 2022