

Operations Research Scientist · OZON

Sep 2021 - Jun 2022 · Moscow, Russia

- Built a long-haul transportation network model for e-commerce logistics, jointly planning routes and movement schedules under capacity and timing constraints using Python, Pyomo and IBM CPLEX. Deployed to production.

Junior Consultant · SAS

Oct 2018 - Aug 2021 · Moscow, Russia

- Delivered optimization and forecasting pilots in banking, merchandising and operations, including collection planning, shift scheduling, routing and demand forecasting. Built analytical workflows, prepared specifications, presented results and trained customer teams.

PROJECTS**OR Lens · Local optimization workbench**github.com/ivs-rodin/or-lens-plugin

- A local MCP plugin for Codex and Claude Code with a browser workbench for LP/MPS models: sparse-matrix views, constraint and variable families by name, numerical diagnostics, independently checked solutions, infeasibility analysis and solver experiments with run records. Stack: Python, HiGHS, NumPy, SciPy; MIT.

STOLP · Pyomo infeasibility diagnosticsgitlab.com/tarasov.alexey/stolp

- Open-source Python library that explains infeasible Pyomo, LP and MPS models: finds minimal conflicting sets of constraints, first by constraint groups and then by single constraints, with a QuickXplain search on HiGHS, SCIP or any Pyomo solver, and reports what to switch off to restore feasibility.

Flatovo · Rental search productflatovo.rodin.dev/en

- Built a live Belgrade rental aggregator combining listings from property portals and Telegram, with multilingual search, map browsing, filters, image-based deduplication and visual-preference ranking. Stack: Next.js, TypeScript, FastAPI, PostgreSQL/PostGIS/pgvector, SigLIP2 ONNX, Docker.

Fruit Fall · Mobile game in development

- A calm 2D physics merge puzzle for iOS with original hand-drawn art, built in Unity 6 and C# with AI coding agents.

EDUCATION**MSc (2021) and BSc (2019), Applied Mathematics and Computer Science, Operations Research · Lomonosov Moscow State University**

2015 - 2021

PUBLICATIONS

- A. F. Izmailov, I. S. Rodin. Accelerating sequential quadratic programming for inequality-constrained optimization near critical Lagrange multipliers. *Advances in Systems Science and Applications* 22(2), 2022, pp. 73-84.
- A. F. Izmailov, I. S. Rodin. Accelerating sequential quadratic programming near critical Lagrange multipliers (in Russian). *Tikhonov Readings 2021, abstracts*, Lomonosov Moscow State University, p. 110.
- D. Sumin, I. Rodin. MILP based approaches for scheduling double round-robin tournaments. *Proceedings of PATAT 2021, vol. II*.

COMPETITIONS

- 1st place, Ramaximization 2021 (RAMAX Group): a year of vacations for a large company.
- 3rd of 13 teams, International Timetabling Competition 2021 (sports timetabling); best known result on 16 of 45 instances.
- 3rd place, Leaders of Digital 2021: aircraft stand allocation.
- 3rd place, Leaders of Digital Transformation 2024: nuclear icebreaker route planning.

LANGUAGES

Russian (native), English (professional working proficiency)