

## EDUCATION

- Paris-Saclay University - Graduate School of Mathematics** 🌐 Orsay, France  
M2 (M.Sc.) in Optimisation at the Mathematics and Applications program, GPA: **exp. 16-17/20** Sep 2024–Sep 2025
- Yandex School of Data Analysis** 🌐 Remote  
AI online program (non-degree) comprising *Master's in Data Science* courses. Sep 2022–May 2026
- Moscow Institute of Physics and Technology** 🌐 #1 technical school in Russia Moscow, Russia  
B.S. in Computer Science and Applied Mathematics, GPA: **9.11/10** (4.91/5.0), [transcript](#) Sep 2020–Jun 2024  
**Thesis:** “Optimization of Communication Overhead in Federated Learning for Machine Learning Models”  
supervised by Prof. Peter Richtárik (final score by the committee: **10/10**).

## EXPERIENCE

- Visiting Student Researcher** Thuwal, Saudi Arabia  
King Abdullah University of Science and Technology Oct 2023–Mar 2024
- Working in the Optimisation and Machine Learning Research Group supervised by [Peter Richtarik](#).
  - Projects on Federated Learning Optimisation resulted in an oral presentation at [FL@FM NeurIPS 2024](#) and pending conference submission.
  - Skills acquired: *Theoretical and Experimental research in Federated Learning, Optimisation, and Machine Learning.*
- Quantitative Research Intern** Yerevan, Armenia  
WorldQuant LLC Jul 2023–Sep 2023
- Spearheaded a project focused on enhancing the speed and performance of a trading algorithm.
  - Successfully boosted the portfolio optimization operation execution speed by up to **20 times**, while concurrently integrating highly customizable features.
  - Skills acquired: *Applications of Optimisation and Linear Algebra, C++ Development, Quantitative Finance.*
- Machine Learning Engineering Intern** Moscow, Russia  
Yandex LLC Jul 2022–Oct 2022
- Worked in the Quality and Scenarios team at [Alice](#) virtual assistant (50+ million monthly users).
  - Improved the *End-to-end* Alice search app quality by **0.4%** through optimizations in the ML models training pipeline. Contributed to the development of Alice for the new Yandex Station Duo Max device.
  - Skills acquired: *Applications of NLP and Machine Learning, Experimental Research, Python and C++ Development.*

## ACHIEVEMENTS AND SCHOLARSHIPS

- **Excellence Undergraduate and Graduate Scholarships** Jan 2021–Jun 2025  
**Sophie Germain Master Scholarship (2024-2025)** - *Highly competitive scholarship for top students in Mathematics. Academic Track of Tinkoff Scholarship (2023-2024)* - *Scholarship awarded for students demonstrating outstanding academic performance. (top 200 of 13000 applicants)*  
**Government Academic Excellence Scholarship (2023-2024)** - *“Exceptional achievements in research work”.*  
**Abramov Scholarship for Academic Excellence (2021-2023)** - *Top 5% students of MIPT university.*
- **Data Engineering “Hack & Change” Hackathon** - *Absolute Winner (top 1 of 60 teams)* Nov 2021  
Led team of 5 people for implementing efficient Mobile Services users data aggregation application.
- **Final of All-Russian National Olympiad in Mathematics** Apr 2020  
*Most prestigious national competition in Mathematics. - Prize Winner (top 100 of 40000 participants)*

## SKILLS

- **Problem Solving:** Competitive (Olympiad) Mathematics, Competitive Programming.
- **Mathematics:** Advanced Linear Algebra, Advanced Calculus, Probability Theory, Differential Equations, Stochastic Analysis, Statistics, Optimization, Game Theory, Discrete Mathematics, Learning Theory (ML), Complexity Theory.
- **Software Engineering:** C++, Python, C, ASM, MapReduce, Databases (SQL, Apache Spark/Hive, Redis), PyTorch/JAX/HuggingFace, Docker, Linux, Git, CI&CD, Software Design Patterns, Algorithms and Data Structures.
- **Research Skills:** L<sup>A</sup>T<sub>E</sub>X, Experiment Setup, Research Paper Writing, Literature Review, Conference Submission.
- **Languages:** English (C1, [IELTS Academic Band 8](#), [Public Speaking](#)), Russian (Native), French (A1)