VYACHESLAV GORCHAKOV   CV

Summary: My passion is optimization, analysis and modelling. My main experience lies in domains of statistics, optimization, robotics and data analysis. I dedicate a great time for self-learning as well as discovering applications on the real-world problems

Education

2018/09-present
Enrolled at Moscow Institute of Physics and Technology, BSc
❱ Department of control and applied mathematics, GPA: 7,9/10
❱ Relevant coursework: Analytic geometry - 9/10, Databases - 8/10, Abstract algebra and Coding theory - 8/10, Theory of formal systems and algorithms - 9/10, Linear algebra - 7/10, Differential equations - 9/10, Methods of optimization - 8/10, Mathematical Physics Equations - 10/10.

Papers

❱ **[In progress] Scenario Approximation with Importance Sampling for Chance-Constrained Optimization**
Yury Maximov,Vyacheslav Gorchakov,Alexander Lukashevich
❱ **[In progress] Distributed methods with interconnections between blocks**
Alexander Rogozin, Alexander Gasnikov, Saveliy Chezegov, Vyacheslav Gorchakov, Anton Novitsky

Conferences and student schools

❱ Sirius summer student school "Methods of Information Theory, Optimization and Control":
Project "Distributed methods with interconnections between blocks"
❱ RAAI/Sirius summer student school: Reinforcement Learning track
❱ Traditional school "Genetics, Information, Optimization" 2021
❱ Sirius student program "Cutting-Edge Stochastic Financial Mathematics"
❱ Winter School on "Machine learning in Robotics" at Innopolis
❱ Traditional school "Genetics, Information, Optimization" 2020
❱ Sirius/Innopolis medical image analysis bootcamp
❱ Sberbank/ITMO Big Data student school "It's up to you"

Professional experience

2020/01-2020/12
Startup "Makenjoy" co-founder
❱ Designed a multipurpose KPI improvement system for company employees using gamification
❱ Conducted a market analysis with the support of the MIPT business incubator

2019/10-2020/03
Professor's assistant at SQL course at Netology
❱ Checked homework
❱ Monitored student's academic performance and advised on SQL issues

2018/12-present
Math tutor
❱ Mentored 20+ high school students for admission to the best universities in Russia
❱ Worked at 2 online schools

Skills

❱ Computer languages: C, Python, MySQl, PostgreSQL
❱ Python ML libraries (numpy, pandas, sklearn, matplotlib, Pytorch)
❱ Technologies: Tableau, LaTeX
❱ Languages: Russian (native), English C1, German A2

Contests

❱ Winner of Rosatom Industrial Contest in Mathematics
❱ Winner of olympiad "Lomonosov" (held by MSU) in Physics
❱ Winner of olympiad "Phystech" in Physics.

Extracurricular activities

❱ Took part in organizing ICPC 2019 as volunteer
❱ Worked as curator at summer maths camps for high school children
❱ Soccer team player
❱ Youtube channel