Popov Nicolai

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Education

2017-2021	**Moscow Institute of Physics and Technology (MIPT)**
	*B*achelor of Applied Mathematics and Physics, GPA - 8.8/10.0
	Key subjects: Optimization, Stochastic processes, Computer science, Algorithms, Programming languages, Linear algebra, Calculus, Physics
12.2019	Course "Machine learning" at HSE web-source
07.2018	Course "Diving in Python" at Coursera platform

Projects

05.2020	Implemented in Python and analyzed Statistically Preconditioned Accelerated Gradient Method for Distributed Optimization (Spag) for Yahoo problem.
04.2020	Implemented in Python algorithm for removing grid and lines from photos of handwritten notes on copybook sheets using OpenCV.
01.2019	Implemented and tested Synthetic minority oversampling technique (Smote) for imbalanced classification problem in Python.
11.2018	Created client-server "Tic-tac-toe" game using TCP sockets in C++.

Achievements

2018-2020	Awarded with scholarship by Fund of Innovative Education Development
2017	Awarded with Presidential Diploma for the most excellent students of Moldova
2015-2017	1st and 2nd places in national Olympiads in Maths, Chemistry, Physics

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Volunteering

01.2019	Organized MIPT's Olympiad in physics and maths in my home town with more than 250 participants involved.

Skills

- Programming experience in Python-3, C, C++, SQL (My Github)
- Confident knowledge of ML libraries (numpy, scipy, sklearn, pandas, matplotlib)
- Proficiency in Linux, Git, Latex, Jupyter Lab and Google Colab
- Experienced usage of Microsoft SQL Server for creating databases

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Languages

Fluent English, Russian, Romanian and basic Turkish