MOLOZHAVENKO ALEXANDER | Curriculum Vitae

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○ GitHub

Fourth-year student of MIPT, focused on optimization, machine learning and theoretical computer science. Twice awarded among the best students in the 2020/21 and 2021/22 academic year in list of Phystech Foundation for increased scholarships. Mathematical analysis teacher.

MIPT
9/2019 - To date

Phystech School of Applied Mathematics and Informatics
GPA: 4.92/5 or 8.6/10

AIMASTERS
9/2022 - To date

Data Scientist

SKILLS & COURSEWORK

PROGRAMMING LANGUAGE	**Experienced:** C/C++, Python, ASM, (Bash, Latex, HTML, markdown) **Familiar:** Javascript | CMake | SQL
FRAMEWORKS & TOOLS	numpy | sklearn | pytorch | Git | Linux | Jupyter | Vim | IDA
MATHEMATICS AND COMPUTER SCIENCE	Reverse engineering | Mathematical analysis (Tutor) | Probability Theory | Applied optimization | Stochastic optimization | Stochastic processes | Reinforcement Learning
LANGUAGES	**Native:** Russian | **Fluent:** English (Advanced C1) | **Begginer:** Spanish (A2)
MISC	General and applied physics | Theoretical mechanics | Quantum mechanics
COURSES	CMU Information security Course

PROJECT & WORK ACTIVITIES

POGEMA INTEGRATION
07/2022 - 07/2022

MIPT

Integrated non-disappearing mode for POGEMA python backend development

LABORATORY OF ADVANCED COMBINATORICS AND NETWORK APPLICATIONS
09/2022 - Till now

MIPT

Deep Learning Engineer. Quantizaton

REINFORCEMENT LEARNING JUNIOR LECTURER
02/2023 - Till now

MIPT

Educational assistance

PURE C PROGRAM FOR DIFFERENTIATION IN LITERALS
04/2021 - 05/2021

MIPT

Symbolic differentiator pure C with integrated PDF output

STOCHASTIC OPTIMIZATION RESEARCH
03/2022 - Till now

MIPT

Application of the stochastic smoothing method for solving problems with a zero-order oracle together with Alexander Vladimirovich Gasnikov, work is still in progress, future development described