Mikhail Vasilev

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ABOUT ME

I am a student at one of the best STEM universities in the country. I have been making my own projects since I was a kid (at the age of 11 I won the Moscow regional engineering competition). At school, I was especially interested in physics. I have reached the candidacy for the national physics team. I developed teamwork skills through camps and hiking trips. I have been on around 25 hiking trips. These experiences helped me understand the importance of reflection, leadership, friendship, and synergy. At university, I focused on developing technical skills. GPA: 4.4/5.

My core principles are:

1) Work for the benefit of society. 2) Embrace change. 3) Always remain human. 4) Always be honest. 5) Freedom and stability.

EDUCATION

Moscow Institute of Physics and Technology

- **Bachelor's and master's** Degree in Applied Mathematics and Physics
- September 2019 – 2026
- Dolgoprudny, Russia

WORK EXPERIENCE

Institute of Control Sciences

- Moscow – **data analyst** (09.2022 – 07.2023)

Parsing of the accounting financial statements website. Analysis of financial indicators of a large sample of organizations. Building a predictive model.

EDUCATIONAL PROJECTS

- **CosmoProject (C++) (programmer)**

The program reproduces gravitational interaction (Newton's Laws) between planets and a spaceship. Allows you to control the ship, land it on a planet and take off from it. The program allows to zoom-in and zoom-out. **Developed in a team of 3 people.**

- **Winner of Tinkoff Bank Hackathon (data analyst)**

Based on row data an analysis of work efficiency of 3 bank departments was made. Using SQL, python and statistics. **Developed in a team of 5 people.**

- **Parser and article (data analyst)**

A parser of web data was written. Based on row data an analysis of large range of companies was made. Results are shown in scientific article: "A two-level revenue forecasting model for a large-scale energy system."
DOI: 10.25728/datsys.2023.2.12

- **ML course (programmer)**

Several machine learning programs.

- **Master's Diploma (programmer)**

Modeling oil spills using neural network data.

OWN PROJECTS

- **Beverage bottling project**

Product analytics of a beverage bottling project (system design, competitor analysis and market entry strategies).

EXTRACURRICULAR ACTIVITIES

- The **curator** of the first-year students of MIPT.
- Assistance in the work of the MIPT **Student Council**.
- **Organization** of the MIPT **Olympiads**.

SKILLS

- **Programming**

Python, C/C++, SQL, Assembler.

- **Python libraries**

NumPy, Pandas, Matplotlib, Pytorch, SciKit-Learn, Plotly. CatBoost, SciPy.

- **Other software**

Git, LaTeX, Power BI, Linux, JupyterLab.

HONORS AND AWARDS

- **Candidate** for the Moscow National Olympiad team in physics, 2018.
- **Prizewinner** of regional round of All-Russian Physics Olympiad, Moscow, 2017.
- **Prizewinner** of regional round of All-Russian Physics Olympiad, Moscow, 2018.
- **Participant** of Regional Round of All-Russian Mathematics Olympiad, Moscow, 2018.

COURSES (Link)

- Cisco courses (2016 - 2019).
- SQL simulator (Karpov courses).
- Diploma of professional retraining (Data scientist).
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LANGUAGES

- Russian (native).
- English (B2).
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SPORT

- Swimming (3rd category).
- Bicycle.
- Dancing.
- Karate (1 ku).