

# Nikita Sheverdov

Moscow, Russia

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## Education

### National Research University – Higher School of Economics

Moscow, Russia

BS IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Sep. 2021 - Jun. 2025

- Relevant Math courses: Linear Algebra and Geometry, Calculus, Discrete Mathematics, Algebra
- Relevant CS courses: Introduction to Programming in Python, Introduction to Programming in C++, Algorithms and Data Structures
- Other: Economics, Law

### Siberian Federal University School

Krasnoyarsk, Russia

SECONDARY GENERAL EDUCATION

Sep. 2019 - Jun. 2021

- Relevant Math courses: Advanced maths and geometry, physics
- Relevant CS courses: Advanced python course

## Skills

**Programming Languages** Python, bash, C++

**Software & Tools** Git, CLion, Microsoft Visual Studio, PyCharm, LaTeX, Jupyter

**Python Libraries and API's** pyTelegramBotAPI, numpy, pandas, OpenWeatherMap, sklearn, SVM

## Projects

### Telegram weather prediction bot: [link](#)

Moscow, Russia

- Developed bot and implemented machine learning algorithm to predict weather
- Deepened knowledge in open API's: OpenWeatherMap, pyTelegramBotAPI
- Processed user's actions and validated input data
- Click on [this](#) to watch short presentation on YouTube

### Sentiment analysis for Russian text project: [link](#)

Krasnoyarsk, Russia

- Developed an algorithm capable of dividing sentences in Russian into three groups: positive, negative, neutral
- To improve the accuracy, the code was cleared of "Not affecting the emotional color" information - commas, English words, prepositions
- The program was tested on comments from the Krasnoyarsk summer school group

### Photo editor, able to work with BMP files: [link](#)

Moscow, Russia

- Correctly decomposed a huge task and correctly connected all the components
- Carefully followed the code style, memory allocation and structure
- Implemented complex filters and a convenient base for creating new filters
- Improved the «typical» implementation of such project by more profitable and fast bitmap storage
- Covered the code with tests

## Experience

### Russian National Olympiad in Mathematics "Phystech"

Moscow, Russia

PRIZE-WINNER

2020-2021

- 2021 and 2020 (two times) prize-winner of the 3rd degree
- Place 300 out of about 6000 participants

### Krasnoyarsk Summer School

Krasnoyarsk, Russia

PARTICIPANT

Summer 2019

- Courses: Algorithms and Machine Learning, Number Theory, Introduction to Set Theoretic Foundations of Mathematics, Advanced Geometry, Olympiad Physics

## Additional information

### Languages

- Russian (native)
- English (fluent)

### Hobbies

[Photography](#), Guitar