

# Nikita Severin

[severin.nn@phystech.edu](mailto:severin.nn@phystech.edu)

+7 928 116-87-88

## **Personal information**

*Date of birth:* 10.14.1998

*Nationality:* Russian

*Occupation:* master student



## **Education**

I.I. Vorovich Institute of Mathematics, Mechanics and Computer Sciences,  
Southern Federal University, Rostov-on-Don (*bachelor's degree*)

*Major:* Fundamental Informatics and IT (GPA: 5.0/5.0)

*Year of graduation:* 2020, diploma with Honours

Phystech School of Applied Mathematics and Informatics,  
Moscow Institute of Physics and Technology, Dolgoprudny (*master's degree*)

*Major:* Combinatorial Analysis

*Year of graduation:* 2022

## **Additional courses and participation in scientific schools**

- Online course “Neural networks and text processing”  
(Samsung IT academy) *March 2020*
- Winter school “It's up to you!” (ITMO) *February 2020*
- Winter school “Absolute future” (MIPT) *February 2020*
- Online course “Neural networks and computer vision”  
(Samsung IT academy) *November 2019*
- Digital Humanities school “Fall 4 Digital: basic and specialized programs”  
(HSE) *October 2019*
- Winter mathematical school “Absolute future”  
(MIPT, SFedU) *January 2019*
- ML courses and lectures as a part of educational intensive program  
“Island 10-21” *July 2018*
- Winter physics and mathematics school “Absolute future”  
(MIPT) *January 2018*
- Elective course “Theory of categories” (SFedU) *February – May 2017*
- Online course “Modern Combinatorics” (MIPT) *February – May 2017*

## **Professional skills**

Mathematics: calculus, linear and abstract algebra, probability theory and mathematical statistics, combinatorics, number theory, graph algorithms, random graphs, network science.

Programming languages: Python, C++, C#, PHP, SQL.

### Data Science:

- EDA: Pandas, NumPy, SciPy, Matplotlib, Seaborn, Plotly, Bokeh.
- ML/DL: PyTorch, LightGBM / CatBoost / XGBoost, Scikit-learn.
- NLP: Transformers, NLTK, SpaCy, Gensim.

Big data: Apache Hadoop, Hive, Spark (basic level).

Web-development: Python + Django, SQLite / MySQL, HTML 5, CSS, JS (basic level).

## **Work experience and projects**

- *OOO (limited liability company) «Art-Int Labs» – junior ML-developer*  
August 2020 – November 2020

Responsibilities: development of human speech processing and analysis system.

- *Project «Chekhov-digital»:*  
“Chekhov-digital” is a project to create a semantic edition of A. P. Chekhov's texts. Currently, the project is under development, partially automatic markup of metainformation and named entities in texts has been done.  
[Link to GitHub](#)
- *Bachelor thesis «Text summarization using ML methods»:*  
This work is devoted to the development of an extractive Russian text summarization model for the creation of summaries that have signs of indicative and informative types. Two approaches are considered: modification of the graph algorithm "TextRank" and clustering of sentences of the source text.  
[Link to GitHub](#)
- *Project «Market and news» (course work):*  
“Market and news” is a project to develop ML-model for identifying the predictive power of news in the analysis of stock prices.  
[Link to GitHub](#)

## **Scientific interests**

- GNN/NLP
- Data Science, ML/DL

## **Languages**

*Russian* (Native), *English* (Upper-Intermediate)

## **Achievements**

- Winner of the All-Russian Student Olympiad in Mathematics 2020  
“I am professional”
- Two-time medalist of the All-Russian Student Olympiad in Mathematics 2018 – 2019  
“I am professional”
- Two-time medalist “Open Volga Mathematical Olympiad” 2018 – 2019  
dedicated to the birthday of N. I. Lobachevsky
- Recipient of the Cargill Global Scholars Program 2017 – 2018