

# Nikita Artamonov

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## EDUCATION

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**Higher School of Economics University**

*Bachelor's degree in Computer Science and Data Analysis*

Moscow, Russia

*September 2022 – Expected June 2026*

## RELEVANT COURSEWORK

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- Algorithms and Data Structures
- Computer Architecture and Operating Systems
- Statistics and Probability
- Linear Algebra
- Calculus
- Numerical Analysis
- Minor in Bioinformatics

## PROJECTS

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🔗 **Neural Networks from Scratch** | *C++, Eigen, CMake, Git, GoogleTest*

- Implemented Neural Network Library from Scratch in C++
- Implemented Optimization Methods, Learning Rate Schedulers, Activation Functions, Loss Functions
- Enabled saving a model to a file and loading from one

**STL-like Classes** | *C++*

- Implemented Custom STL-like Classes such as **vector**, **string**, **string\_view**, **unique\_ptr**, **any**, **array**
- Implemented Custom Python-like Classes such as **range**, **enumerate**, **reversed**

## TECHNICAL SKILLS

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**Programming Languages:** C/C++, Python, SQL

**Tools:** Git, Bash, Docker, L<sup>A</sup>T<sub>E</sub>X, PySpark

**Frameworks:** Numpy, Pandas, Matplotlib, Seaborn, Plotly, SciPy, Biopython

## LANGUAGE PROFICIENCIES

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**English:** Upper-Intermediate

**Estonian:** Upper-Intermediate

**German:** Beginner

**Russian:** Native