




# TIMUR LIDZHIEV

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## Education

### HSE University

Sep. 2021 — Expected June 2025

*Bachelor of Science in Computer Science*

*GPA: 8.3/10*

## Relevant Coursework

- Linear Algebra
- Probability and Statistics
- Real Analysis
- Numerical Analysis
- Python for Data Science
- Python Programming
- Data Structures
- C++ Programming

## Projects

### Image Processor | C++, STL

Nov. 2023

- Created the console application for BMP image processing
- Implemented kernel filters and a convenient base for creating new filters using std::variant
- Implemented the most efficient filter algorithms

## Technical Skills

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

**Frameworks:** Scikit-Learn, Sci-Py, Numpy, Pandas, Plotly, Matplotlib, Seaborn

## Extracurricular

### PINNs Project

Sep. 2023 — Dec. 2023

*HSE University*

- Currently engaged in research and development of a Physics Informed Neural Network (PINNs) project, focusing on the implementation of loss functions for differential equations with discontinuous functions. Investigating optimal strategies for handling such cases;

### Teacher Assistant for Real Analysis Course

Sep. 2023 — June 2024

*HSE University*

- Developed and administered quizzes, exams (midterm and final), and homework assignments;
- Assessed and analyzed student performance, offering valuable feedback;
- Provided professional support to a group of 30 students during weekly consultation sessions, addressing their inquiries, clarifying complex concepts, and assisting them in successfully mastering the course material.

### Teacher Assistant for Math for Data Science Course

Sep. 2023 — Jan. 2024

*Yandex School for Data Analysis*

- Evaluated homework assignments for 50 students in Linear Algebra, Real Analysis, and Probability Theory;
- Assessed and analyzed student performance, offering valuable feedback;