

# ROMAN KUDERMIN

Mathematics & ML Engineer

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## EDUCATION

### Taras Shevchenko National University of Kyiv (KNU)

Bachelor of Science in Computer Mathematics (Mechanics and Mathematics Faculty)

Kyiv, Ukraine

Sep. 2024 – Present

- Specialization: Mathematics, Algorithms, and Computer Science
- Relevant Coursework:** Multidimensional Analysis, Concrete Mathematics, Linear Algebra, Combinatorial Analysis, Algebra & Number Theory, Object-Oriented Programming (C++).

## TECHNICAL SKILLS

**Programming Languages:** Python, C/C++, SQL (PostgreSQL, MySQL), Octave.

**Data Science & ML:** PyTorch, Scikit-learn, Pandas, NumPy, SciPy, Seaborn, Matplotlib.

**Mathematics:** Linear Algebra, Calculus, Statistics, Probability Theory.

**Tools & Platforms:** Git/GitHub, L<sup>A</sup>T<sub>E</sub>X, Django, Linux.

**Languages:** Ukrainian (Native), Russian (Native), English (B2), French (A2).

## HACKATHONS & PROJECTS

### ML Forecasting Hackathon | N-BEATS

2025

- Secured **2nd Place** in a competitive machine learning challenge focused on time-series forecasting.
- Developed a predictive model to analyze trends and forecast future data points with high accuracy.
- Performed data cleaning, feature engineering, and model validation using Python libraries.

### UkraGasBank Student Hackathon | Data Analysis, Teamwork

2024

- Participated in a fintech-focused hackathon solving real-world banking challenges.
- Collaborated with a team to prototype a solution for financial data processing.

### Research: Complex Numbers in Algebra | Junior Academy of Sciences (MAN)

2024

- Conducted independent research on the application of complex numbers in algebraic structures.
- Defended the research paper at the regional level of the Junior Academy of Sciences.

## HONORS & AWARDS

### 1st Place, University Mathematical Battles

2025

- Won first place in all rounds of the Kyiv Student Mathematical Battles as part of the 1st-year team of the Mechanics and Mathematics Faculty.
- Solved complex algorithmic and logic problems under time constraints.

### Top Performer, National Multi-subject Test (NMT)

2024

- Achieved a perfect score of **200/200 in Mathematics** and 200/200 in History.
- Attained a high competitive average score of 193 for university admission.

### 1st Place, District Mathematics Olympiad

2022 – 2023

- Winner of the Solomianskyi district Olympiad in Mathematics and Economics.