

EDUCATION

Saint Petersburg State University (Top 100 QS World University Rankings in Math)

Bachelor of Math and Computer science GPA: 4.75/5

2021-2025

Relevant advanced courses:

- Algebraic K-theory
- (Non)Stable Homotopy Theory
- Homotopical Algebra
- Theory of Sheaves
- Algebraic Geometry

Physics and mathematical school of Tyumen region (4th on RAEX)

IELTS: 7.5 (2024)

SKILLS

Programming Languages - Python, C++(basics)

Problem Solving - Olympiad Mathematics, Competitive Programming

Languages - Russian, English

CURRENT RESEARCH INTERESTS

- Group Homology
- K-theory
- Homological algebra
- Algebraic Topology
- Algebraic Number Theory

RESEARCH EXPERIENCE

Saint-Petersburg State University

Saint-Petersburg, Russia

Bachelor student

2025

- **Research project:** "Homology stability for linear groups"

Saint-Petersburg State University

Saint-Petersburg, Russia

Bachelor student

2024

- **Research project:** "Torsion group of elliptic curve and volume numbers"

Saint-Petersburg State University

Saint-Petersburg, Russia

Bachelor student

2023

- **Research project:** "Binomial sums modulo prime number"

Quantori

Astana, Kazakhstan

Mathematician

03.2022-08.2022

- Substructural searching in molecular database (progress is NDA)

Mathematical workshop in Mathematical Center in Akademgorodok

Novosibirsk, Russia

Participant of the scientific group

07.2022-08.2022

- **Knots, braids, and knotted surface transformations**

Research Programme In Mathematics in Sirius Science Center

Sochi, Russia

Participant of the scientific group

05.2021

- **Maximal advancement in the project problems about self-avoiding wandering (In Russian)**

SELECTED TALKS

Steenrod operations and first stable homotopy group <i>Student stable homotopy theory seminar</i>	12.2024
Introductory course in Algebraic K-theory <i>Summer mathematical lecture hall</i>	07.2024
Heights on elliptic curves and Mordell–Weil theorem <i>Modular forms and elliptic curves course</i>	12.2023
Equations in finite fields. Chevalley–Warning theorem. <i>Student Number Theory Seminar</i>	10.2023

SCHOOL AND CONFERENCES

<i>Modern areas in Number Theory</i>	07.2024
<i>Spring school of the Euler Institute in Algebra, Number Theory and Algebraic Geometry</i>	05.2024
<i>Autumn school of the Euler Institute in Algebra</i>	11.2023
<i>Ramanujan and Euler: Partitions, mock theta functions, and q-series</i>	07.2022

ORGANIZATIONAL AND TEACHING EXPERIENCE

Linear algebra course in the ITMO University <i>Lecturer assistant</i>	Saint-Petersburg 09.2024 - Nowadays
Summer school of Math and CS faculty SPbU <i>Lead of educational program "Catalan's hypothesis"</i>	Saint-Petersburg, Russia 06.2024
Spring school of the Euler Institute in Algebra, Number Theory, Algebraic Geometry <i>Organiser</i>	Saint-Petersburg 05.2024
Student Number Theory Seminar <i>Main organiser</i>	Saint-Petersburg, Russia 10.2023 - 03.2024
Summer school of Math and CS faculty SPbU <i>Lead of educational program "Geometric methods in Number Theory"</i>	Saint-Petersburg, Russia 06.2023
Regional stage of All-Russian olympiad in Mathematics <i>Jury member</i>	Tyumen, Russia 02.2023
Sigma olympiad math school <i>Teacher</i> <ul style="list-style-type: none">• Gratitude from Sigma	Tyumen, Russia 09.2020-08.2021

ACHIEVEMENTS

- Scholarship by "Rodnye Goroda" (a social investment program of PJSC) - 2021-2024
- Gratitude from Euler Institute for Students Number Theory seminar - 2023
- Final of The International Zhaautykov Olympiad in Math - [Silver Medal 2021](#)
- Final of The Geometrical Olympiad in honour of I.F.Sharygin - [Certificate of Appreciation 2019](#)
- Regional stage of All-Russian National Olympiad in Mathematics - [Prize winner 2021](#), [Prize winner 2020](#), [Prize winner 2019](#)
- Final of All-Russian SPB University Olympiad in Mathematics - [Prize winner 2020](#)
- Final of Saint Petersburg Olympiad in Mathematics - [Prize winner 2021](#)