

## EDUCATION

---

<b>Saint-Petersburg State University, Master</b> Software Development and Data Science	2022–2024
<b>Saint-Petersburg State University, Bachelor</b> Mathematics, diploma with distinction, GPA: 4.87/5.0	2018–2022
<b>Physics and Mathematics Lyceum No. 239</b>	2018

## POSITIONS

---

<b>International Laboratory of Game Theory, HSE University</b> Researcher	July 2022 – Present Saint-Petersburg
<b>Leonhard Euler International Mathematical Institute</b> Researcher	May 2022 – Present Saint-Petersburg
<b>StarKit Studio</b> Game Analyst	March 2022 – April 2023 Saint-Petersburg
<b>Tinkoff Internship</b> Data scientist	November 2021 – February 2022 Saint-Petersburg

## RESEARCH INTERESTS

---

Algorithms, parameterized algorithms, algorithmic game theory, communication complexity, mathematical statistics.

## PUBLICATIONS

---

- [1] Y. Dementiev, A. Ignatiev, and F. Fomin, “Inconsistent planning: When in doubt, toss a coin!”, in *AAAI 2022*, 2022.
- [2] A. Ignatiev, I. Mikhailin, and A. Smal, “Super-cubic lower bound for generalized karchmer-wigderson games”, in *ISAAC 2022*, 2022.
- [3] Y. Dementiev, A. Ignatiev, V. Sidelnik, A. Smal, and M. Ushakov, “New bounds on the half-duplex communication complexity”, in *SOFSEM 2021*, 2021.

## CONFERENCE AND STUDENT SCHOOLS

---

### EPIT 2023

School

Jun. 2023  
Oleron Island, France

### AAAI-22

Presentation at the conference

Mar. 2022  
Online

### Computational Complexity Theory

Sirius University

Aug. 2021  
Sochi

### SOFSEM 21

Conference

Jan. 2021  
Online

## TEACHING

---

- **Inconsistent planning** Jun. 2023  
*Summer School MCS SPBU*
- **Greedy Conjecture in the Superstring problem** May 2023  
*Sirius*
- **Mathematical foundations of algorithms, practice** Feb.-Jun. 2023  
*MCS SPBU*
- **Computer Science seminar, part 2** Feb.-Jun. 2023  
*MCS SPBU*
- **Computer Science seminar, part 1** Sep.-Dec. 2022  
*MCS SPBU*
- **Inconsistent planning** Jun. 2022  
*Summer School MCS SPBU*
- **Teacher of Olympiad mathematics for schoolchildren** 2018-2022

## SCHOLARSHIPS AND AWARDS

---

- VK Scholarship 2022–2023
- Winner of “Competition of mathematical projects completed by young researchers” from Leonhard Euler International Mathematical Institute in Saint Petersburg. 2021–2022
- Yandex Scholarship 2020–2022
- Gazprom Neft Scholarship 2018–2019
- Prizewinner of several Olympiads in mathematics

## SKILLS

---

- **Languages:** Russian, English (upper-intermediate)
- **Programming Languages:** Python, SQL,  $\text{\LaTeX}$