# Artur Ignatiev

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## EDUCATION

**Saint-Petersburg State University, Master** — 2022–2024
Software Development and Data Science

**Saint-Petersburg State University, Bachelor** — 2018–2022
Mathematics, diploma with distinction, GPA: 4.87/5.0

**Physics and Mathematics Lyceum No. 239** — 2018

## POSITIONS

**International Laboratory of Game Theory, HSE University** — July 2022 – Present
Researcher — Saint-Petersburg

**Leonhard Euler International Mathematical Institute** — May 2022 – Present
Researcher — Saint-Petersburg

**StarKit Studio** — March 2022 – April 2023
Game Analyst — Saint-Petersburg

**Tinkoff Internship** — November 2021 – February 2022
Data scientist — 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.

## TALKS AND POSTERS

**AAAI-22** — Mar. 2022
Poster session — Online

**SOFSEM 21** — Jan. 2021
Conference — Online

## Student Schools

**EPIT 2023 : Le Kaléidoscope de la Complexité**                       Jun. 2023
School                                                       Oleron Island, France

**Computational Complexity Theory**                                    Aug. 2021
Student School, Sirius University                                            Sochi

## 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, LaTeX