







Positions

- 2022 –  **International Laboratory of Game Theory, HSE University**
Junior Research Fellow.
-  **Leonhard Euler International Mathematical Institute**
Researcher.
- 2022 – 2023  **StarKit Studio**
Game Analyst.
- 2021 – 2022  **Tinkoff**
Internship, Data Scientist.

Education

- 2022 – 2024  **M.Sc. Computer Science, St. Petersburg University**
- 2018 – 2022  **B.Sc. Mathematics, St. Petersburg University**
Thesis title: *Communication complexity bounds on Karchmer-Wigderson games.*

Research interests

Algorithms, Parameterized Algorithms, Algorithmic Game Theory, Communication Complexity.

Publications

Conference Proceedings

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

Teaching

- 2023  **Inconsistent Planning**
Summer School, St. Petersburg University.
-  **Greedy Conjecture in the Superstring problem**
Sirius.
-  **Mathematical Foundations of Algorithms**
St. Petersburg University.
- 2022 – 2023  **Computer Science Seminar**
St. Petersburg University.
- 2022  **Inconsistent Planning**
Summer School, St. Petersburg University.
- 2018 – 2022  **Olympiad mathematics**

Miscellaneous Experience







Talks and Posters

- 2022  **AAAI 2022**
Poster Session, Online.
- 2021  **SOFSEM 2021**
Conference, Online.



Student Schools

- 2023  **EPIT 2023: Le Kaléidoscope de la Complexité**
Oleron Island, France.
- 2021  **Computational Complexity Theory**
Sirius University, Sochi.

Awards and Achievements

- 2023 – 2024  **Bonus for Academic Work**, HSE University.
- 2022 – 2023  **VK Scholarship**.
- 2021 – 2022  Winner of “Competition of mathematical projects completed by young researchers”
Leonhard Euler International Mathematical Institute in Saint Petersburg.
- 2020 – 2022  **Yandex Scholarship**.
- 2018 – 2019  **Gazprom Neft Scholarship** .
 **Prizewinner of several Olympiads in mathematics**.

Skills

- Languages  Russian, English (upper-intermediate).
- Coding  Python, SQL, \LaTeX .