

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

Research Visits

2023  **Institute for Theoretical Computer Science, SUFE**
Shanghai, Host: Nick Gravin.

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 .