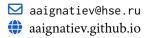
Artur Ignatiev



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

- A. Ignatiev, I. Mikhailin, and A. Smal, "Super-cubic lower bound for generalized karchmer-wigderson games," in *ISAAC*, 2022.
- Y. Dementiev, A. Ignatiev, and F. Fomin, "Inconsistent planning: When in doubt, toss a coin!" In AAAI, 2022.
- 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**.

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.