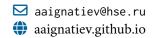
Artur Ignatiev



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,

Department of Mathematics and Computer Science

Thesis title: Inconsistent Planning: Task Graph Modification.

2018 – 2022 **B.Sc. Mathematics, St. Petersburg University,**

Department of Mathematics and Computer Science

Thesis title: Communication complexity bounds on Karchmer-Wigderson games. With distinction.

Research interests

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

Publications

Conference Proceedings

- N. Morozov, A. Ignatiev, and Y. Dementiev, "Several Stories about High-Multiplicity EFx Allocation (Student Abstract)," in *AAAI*, 2024.
- 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.

Preprints

T. Belova, Y. Dementiev, F. V. Fomin, P. Golovach, and A. Ignatiev, How to guide a present-biased agent through prescribed tasks? (under review in IJCAI 2024).

Teaching

2024 Communication Games

Research project, Sirius.

■ Information Theory

St. Petersburg University.

2023 Parameterized Algorithms

St. Petersburg University.

2023, 2022 | Inconsistent Planning

Summer School, St. Petersburg University.

2023 Greedy Conjecture in the Superstring problem

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

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 **Xandex Scholarship**.

2018 – 2019 **Gazprom Neft Scholarship**.

Prizewinner of several Olympiads in mathematics.

Skills

Languages Russian, English (upper-intermediate).

Coding Python, sql, LaTeX.