

# Rudakov Mikhail / Рудаков Михаил

## Research Engineer in Machine Learning



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Research Engineer in Machine Learning with a broad experience in Data Structures and Algorithms. Well-familiar with several programming languages, including Python, C++, R. Winner and awardee of several scholarships and olympiads, including ACM ICPC.

## Education

### Innopolis University

2019 – Present

Bachelor in Computer Science and Informatics

GPA: **5.0 out of 5.0**

Bachelor Thesis: “Activation compression for model-parallel training”

Thesis Supervisor: Professor Dr. Yaroslav Kholodov

Thesis Consultant: Aleksandr Beznosikov

## Work Experience

### MIPT-Yandex Fundamental Research Laboratory

Feb 2023 – Present

Junior researcher in distributed computing and optimization

for machine learning algorithms in the scope of communication compression.

Skills used: Python for Machine Learning with PyTorch, Weights&Biases experiments tracking

### Innopolis University

Oct 2022 – Present

C++ developer in an industrial collaboration project with Huawei Technologies in the area of multithreaded static analysis.

Skills used: C++ for Research and Development, Data Structures and Algorithms

### TatMedia News Agency

June 2022 – Aug 2022

Machine learning engineer intern for automatic news processing and summarization.

Skills used: Python with BeautifulSoup and PyTorch, Sber Rewriter

### Yandex CatBoost

June 2021 – Oct 2021

Backend developer intern for Yandex CatBoost Machine Learning framework.

Skills used: Backend programming with R, Python, C++ and Bash, build systems with CMake

### Innopolis University BootCamp

Aug 2020

Teaching assistant of computer science and programming for freshmen students.

### Innopolis University Lab of Virtualization

June 2020 – Aug 2020

C++ developer intern for multiprocessor schedulability analysis.

Skills used: C++ programming, Discrete Mathematics, Data Structures and Algorithms

## Honors and Awards

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- The scholarship of the President of the Russian Federation
- The scholarship of the President of the Republic of Tatarstan
- Awardee of International Collegiate Programming Contest (ICPC) of various levels 2020 – 2022
- Various scholarships and awards from Yandex and Tinkoff companies, MIPT and KFU universities

## Language Skills

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Russian – Native

English – Advanced