

# Rustem Islamov

Moscow, Russia | +7-977-853-0343 | [islamov.ri@phystech.edu](mailto:islamov.ri@phystech.edu) | [rustem-islamov.github.io](https://rustem-islamov.github.io)

## EDUCATION

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### Bachelor of Science in Applied Mathematics

[Moscow Institute of Physics and Technology](#)

GPA: 4.97/5 (9.32/10)

Sep. 2017 – Present

Dolgoprudny, Russia

## RESEARCH INTERESTS

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Machine Learning, Optimization, Distributed Optimization

## EXPERIENCE

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### Internship at Machine Learning and Optimization Lab

[KAUST](#)

Supervisor: [Peter Richtárik](#)

Theme of work: Second-order methods in distributed optimization; have taken a course related to various SGD methods in Optimization

Jun. 2020 – Dec. 2020

Thuwal, Saudi Arabia

### Internship at Machine Learning and Optimization Lab

[KAUST](#)

Supervisor: [Peter Richtárik](#)

Theme of work: Second-order methods in distributed optimization

Mar. 2020 – Present

Thuwal, Saudi Arabia

## PROJECTS AND EXTRA ACTIVITIES

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### Introduction to Scientific work

- Course name: My First Scientific Paper
- Supervisor: [Vadim Strijov](#)
- Brief Description: Learned how to write scientific papers, organize work within a group
- Analysis of the ensemble of local models, [paper on Github](#)

Feb. 2020 - May 2020

### Project on Optimization Methods

- Brief Description: Implemented different Optimization methods for improving the quality of classification models (Logistic Regression, SVM), methods for Trend Filtering
- [Project on Github](#)

Apr. 2020

### Mathematics and Python for Data Analysis in Coursera

- Brief Description: Learned Mathematics for Data Analysis and how to use it in Python
- [Certificate](#)

Feb. 2020

### Introduction to Programming (C++)

- Brief Description: Learned C++ for solving different mathematical and programming problems
- [Certificate](#)

Jul. 2016

## LANGUAGES

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**Russian:** Native

**Tatar:** Native

**English:** Advanced (C1)

**Spanish:** Elementary (A1)

## TECHNICAL SKILLS

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**Operating Systems:** Microsoft Windows, Linux

**Programming Languages:** Python, C/C++

**Professional Software:** Git, LaTeX, SQL

## HOBBIES AND INTERESTS

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Football: Member of student football team

Basketball

Teaching, preparing schoolchildren for olympiads

## PUBLICATIONS

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1. [R. Islamov](#), [X. Qian](#), [P. Richtárik](#). **Distributed Second Order Methods with Fast Rates and Compressed Communication**, arXiv preprint: [arXiv:2102.07158](#)

## SCHOLARSHIPS, HONORS AND AWARDS

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**Increased State Academic Scholarship**

Sep. 2020 – Jun. 2021

Given for 4 year Bachelor and Master students at MIPT with scientific achievements

11 000 Russian rubles per month

**Prizewinner of Student Olympiad in Maths**

Apr. 2020

“I am professional” Student Olympiad organized by Yandex and MIPT

**Abramov scholarship**

Sep. 2017 – Jun. 2020

Given for 1-3 year Bachelor students with the best grades at MIPT

12 000 Russian rubles per month

**Prizewinner of Final Round of All-Russian Physics Olympiad**

Apr. 2016

**Participant of Final Round of All-Russian Physics Olympiad**

2015, 2017

Last updated on 4<sup>th</sup> March, 2021