

Rustem Islamov

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EDUCATION

Bachelor of Science in Applied Mathematics

Moscow Institute of Physics and Technology

GPA: 4.97/5 (9.32/10)

Dolgoprudny, Russia

Sep. 2017 – Present

RESEARCH INTERESTS

Machine Learning, Optimization, Distributed Optimization

EXPERIENCE

Internship at Machine Learning and Optimization Lab

KAUST

Supervisor: Peter Richtárik

Theme of work: Second-order methods in distributed optimization

Thuwal, Saudi Arabia

Jun. 2020 – Dec. 2020

Internship at Machine Learning and Optimization Lab

KAUST

Supervisor: Peter Richtárik

Theme of work: Second-order methods in federated learning and distributed optimization

Thuwal, Saudi Arabia

Mar. 2020 – Present

PROJECTS AND EXTRA ACTIVITIES

Introduction to Scientific work

Feb. 2020 - May 2020

- 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

Project on Optimization Methods

Apr. 2020

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

Mathematics and Python for Data Analysis in Coursera

Feb. 2020

- Brief Description: Learned Mathematics for Data Analysis and how to use it in Python
- Platform: Course on Coursera taught by Yandex and MIPT members
- Certificate

Introduction to Programming (C++)

Jul. 2016

- Brief Description: Learned C++ for solving different mathematical and programming problems
- Platform: Course on Stepik taught by Yandex members
- Certificate

LANGUAGES

Russian: Native

Tatar: Native

English: Advanced (C1)

Spanish: Elementary (A1)

TECHNICAL SKILLS

Operating Systems: Microsoft Windows, Linux

Programming Languages: Python, C/C++

Professional Software: Git, LaTeX, SQL

HOBBIES AND INTERESTS

Football: Member of student football team
Basketball
Teaching, preparing schoolchildren for olympiads

PUBLICATIONS

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

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 mathematics	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 March, 03, 2021