Rustem Islamov

Moscow, Russia | +7-977-853-0343 | islamov.ri@phystech.edu | rustem-islamov.github.io

EDUCATION

Bachelor of Science in Applied Mathematics

Moscow Institute of Physics and Technology   Dolgoprudny, Russia

GPA: 4.97/5 (9.32/10)   Sep. 2017 – Present

RESEARCH INTERESTS

Machine Learning, Optimization, Distributed Optimization

EXPERIENCE

Internship at Machine Learning and Optimization Lab

KAUST   Thuwal, Saudi Arabia

Supervisor: Peter Richtárik   Jun. 2020 – Dec. 2020

Theme of work: Second-order methods in distributed optimization

Internship at Machine Learning and Optimization Lab

KAUST   Thuwal, Saudi Arabia

Supervisor: Peter Richtárik   Mar. 2020 – Present

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

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 teached by Yandex and MIPT members
- Certificate

Introduction to Programming (C++)   Jul. 2016

- Brief Descriptipn: Learned C++ for solving different mathematical and programming problems
- Platform: Course on Stepik teached 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 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 4th March, 2021