

ELNUR GASANOV

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EDUCATION

- Ph.D. in Machine Learning and Optimization** Jan. 2020 - Present
King Abdullah University of Science and Technology
Supervised by Peter Richtárik
- Master of Science in Computer Science** Sep. 2018 - Dec. 2019
King Abdullah University of Science and Technology
GPA: 3.67/4.00
- Bachelor of Science in Applied Mathematics and Physics** Sep. 2014 - Jun. 2018
Moscow Institute of Physics and Technology (State University)
Average Grade: 8.66/10.00

PUBLICATIONS

- Grigory Malinovsky, Dmitry Kovalev, Elnur Gasanov, Laurent Condat, Peter Richtárik, From Local SGD to Local Fixed-Point Methods for Federated Learning, ICML 2020
- Dmitry Kovalev, Eduard Gorbunov, Elnur Gasanov, Peter Richtárik, Stochastic Spectral and Conjugate Descent Methods, NeurIPS 2018
- Elnur Gasanov, Anastasia Motrenko, Creation of approximating scalogram description in a problem of movement prediction, Machine Learning and Data Analysis, Vol. 3, #2, 2017

CONFERENCES AND WORKSHOPS

- KAUST-Tsinghua-Industry workshop on AI, KAUST, Saudi Arabia, 2019, Poster
- Data Science Summer School, Paris, France, 2019, Poster
- Optimization and Big Data, KAUST, Saudi Arabia, 2018, Poster

RESEARCH INTERNSHIPS

- Visiting MS student** June 2019 - July 2019
University of Grenoble-Alpes, Laboratory Jean Kuntzmann
Supervised by Prof. Jerome Malick and postdoctoral fellow Franck Lutzeler, I worked on an asynchronous lock-free algorithm, derived convergence rates for full and stochastic gradient cases. For the second case, I analyzed the algorithm for both constant and diminishing stepsizes. The results are to be organized into a paper.

HONORS AND REWARDS

- Enlarged state academic scholarship, 2017-2018
- Abramov fund excellence scholarship, 2014-2017
- Governors award, 2012-2014
- Prize-winner of All-Russia Physics Olympiad (Regional step, Moscow region, 2012 - 2014)
- Prize-winner of All-Russia Maths Olympiad (Regional step, Moscow region, 2012, 2014)
- Prize-winner of All-Russia Economics Olympiad (Regional step, Moscow region), 2013
- Prize-winner of competition "Future Scientists" (Moscow), physics section

CO-CURRICULAR COURSES AND ACTIVITIES

- Deep Learning Nanodegree, Udacity, 2019
- Topics covered: PyTorch, Convolutional and Recurrent Neural Networks, GAN, Deployment using AWS
 - Taught by Ian Goodfellow, Mat Leonard, Cezanne Comacho

C++ course White Belt, Coursera, 2018

- Topics covered: Functions and Containers, Classes, Exception Handling, Operator Overloading
- Taught by specialists from Yandex

Seminar Co-organizer, All hands meetings on Big Data Optimization, September 2019 - Present

- Co-organizer of a group seminar

SKILLS

Mathematics	Linear Algebra, Theory of Algorithms, Machine Learning, Deep Learning
Programming	C++, Python (NumPy, Matplotlib, PyTorch, Pandas), Matlab, Golang
Tools	MS Office, LaTeX, SQL Server
Languages	Russian C2, English C1

EXTRA CURRICULARS AND HOBBIES

Hobbies: Fitness, Volleyball, Windsurfing

Volunteer: National Park Hunsrueck II, Deuselbach, Germany, 2017

Volunteer: Environment and Legality at Vesuvio National Park, Ottaviano, Italy, 2016

Volunteer: University "5top100" conference, 2016

Volunteer: Promoting Biodiversity in Neckertal, Brunnadern SG, Switzerland, 2015