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	Moscow, Russia G GitHub G Google Scholar In LinkedIn		
EDUCATION	Moscow Institute of Physics and Technology , Moscow, Russia PhD Student, Phystech School of Applied Mathematics and Informatics	2020 - Present	
	Moscow Institute of Physics and Technology, Moscow, Russia Master of Science, Department of Control and Applied Mathematics Thesis: "Decentralized Optimization over Time-Varying Networks" GPA: 8.8/10, ranking top-10%	2018 - 2020	
	Yandex School for Data Analysis, Moscow, Russia Big Data Engineer	2017 - 2019	
	Moscow Institute of Physics and Technology, Moscow, Russia Bachelor of Science, Department of Control and Applied Mathematics Thesis: Distributed Optimization over Time-Varying Networks GPA: 9.2/10, ranking top-5%	2014 - 2018	
RESEARCH EXPERIENCE	Senior Analyst at Pinely (June 2022 – September 2022).Working on feature engineering for a high-frequency trading system.		
	• <i>Skills</i> : feature engineering, statistics, visualization.		
	 Lead Researcher (November 2020 – May 2022), Researcher (October 2020) at Joint MIPT-Huawei project on Digital Power Predistortion. Working with neural networks for signal processing and noise suppression a Objectives include finding best optimization methods for specific Huaw compression and exploring new model architectures. <i>Team Leading</i>: Currently leading a group of 4 students and coordinati researchers (including 1 professor and 1 Ph.D). The team I lead has compromodel by 60% and developed a nonlinear analogue of Batch-Normaliz, which significantly improved approximation quality. This results may be Huawei hardware modules at base stations and decrease power consumpt <i>Skills</i>: neural networks, numerical optimization, signal processing. Research Intern at Huawei Moscow Research Center (May 2019 - July 200 - Implemented an algorithm for demand routing in WDM telecom networks a method evaluating the maximum possible efficacy of the routing. The roor results coincided with the upper bound in ~80% of test cases. <i>Skills</i>: discrete optimization, linear programming. Research Intern at Joint Institute for Nuclear Research, Dubna, Russ August 2017). 	distortion. bise suppression at base stations. bise suppression at base stations. bise suppression at base stations. bise suppression at base stations. I lead has compressed the neural Batch-Normalization technique is results may be implemented in power consumption. rocessing. ay 2019 - July 2019). telecom networks and developed the routing algorithm cases. h, Dubna, Russia (July 2017 -	
	 Worked with ML algorithms in high-energy physics. Developed a ML algorithe detection reaching roc-auc 0.97 on synthetic data (link to report). Skills: various classification and clustering ML algorithms. 	gorithm for par-	
MAIN PUBLICATIONS	Optimal Distributed Optimization on Slowly Time-Varying Graphs. Alexander Rogozin, César A, Uribe, Alexander Gasnikov, Nikolay Malkovsky, Angelia Nedić. <i>IEEE Transactions on Control of Network Systems, arxiv:1805.06045</i> , 2020.		
	ADOM: Accelerated Decentralized Optimization Method for Time-Varying Net- works. Dmitry Kovalev, Egor Shulgin, Peter Richtárik, Alexander Rogozin, Alexan- der Gasnikov. Proceedings of the 38th International Conference on Machine Learning, arxiv:2102.09234, 2021.		
	Distributed Saddle-Point Problems Under Similarity. Aleksandr Beznosikov, Gesu- aldo Scutari, Alexander Rogozin, Alexander Gasnikov. Advances in Neural Information Processing Systems 34, arXiv:2107.10706.		

PUBLICATIONS	Towards accelerated rates for distributed optimization over time-varying net- works. Alexander Rogozin, Vladislav Lukoshkin, Alexander Gasnikov, Dmitry Kovalev, Egor Shulgin. International Conference on Optimization and Applications, arXiv:2009.11069, 2021.		
	Penalty-Based Method for Decentralized Optimization over Ti Alexander Rogozin, Alexander Gasnikov. International Conference Applications, arxiv:1911.08527, 2020.		
	An Accelerated Method For Decentralized Distributed Stocha Over Time-Varying Graphs. Alexander Rogozin, Mikhail Bochl sky, Alexander Gasnikov, Vladislav Lukoshkin. <i>Conference on Decisio</i> <i>arXiv:2103.15598</i> .	ko, Pavel Dvurechen-	
	Near-Optimal Decentralized Algorithms for Saddle Point Pro Varying Networks. Aleksandr Beznosikov, Alexander Rogozin, Dr der Gasnikov. International Conference on Optimization and Applicat arXiv:2107.05957, 2021.	nitry Kovalev, Alexan-	
	Decentralized Distributed Optimization for Saddle Point Pro Rogozin, Pavel Dvurechensky, Darina Dvinkikh, Alexander Beznosik Alexander Gasnikov. <i>arXiv:2102.07758</i> .		
	Fast Linear Convergence of Randomized BFGS . Dmitry Kovale Peter Richtárik, Alexander Rogozin . <i>arXiv:2002.11337</i> .	v, Robert M. Gower,	
OTHER PROJECTS	• Developed a bytecode interpreter for Python, a library for graph telegram bot (academic projects). Contributed a visualization tool open-source ML library).	to catboost (Yandex	
	 Worked on experiments sections for papers in convex optimization (Rank 50/1200+ in machine learning contest "Sustainable Industry hosted on drivendata.org. 		
SKILLS	 Programming Languages: Python, C, C++. ML Tools: Numpy, Scipy, Matplotlib, Pandas, Sklearn, OpenCV, Vor Deep Learning: PyTorch + TorchScript, Tensorflow, Keras. Dev Tools: Git, Pytest, Docker. Other: tmux, SQL, Octave, MatLab, GAMS. Soft Skills: team leading, interaction with the customer. 	rflow, Keras.	
TEACHING AND MENTORING	 Lecturer in Optimization Methods for Machine Learning at MADE (Mail.ru Big Data Academy, 2020-present, link to one of the lecture videos) and MIPT (fall 2020). Tutor for Probability theory at MIPT department of Control and Applied Mathematics (2018-2020). 		
EXPERIENCE			
	• Supervisor of students at Sirius summer school (2020, 2021), Soc lectures and mentored 9 students in total. The work ended up we peer-reviewed journals and a library for numerical simulations.		
	• Currently supervising a thesis of a Bachelor student.		
HONORS AND AWARDS	Winner of Russian National Physics Olympiad Saransk, Russia	April 2012	
AWAIDS	Awardee of Gazprombank Stipend Moscow, Russia	November 2017	
	Winner of 62 MIPT conference Applied mathematics and informatics section Moscow, Russia	December 2019	