

CONTACT INFORMATION	University of Washington 202 Lewis Hall Seattle, 98105 USA	Personal Site GitHub LinkedIn
RESEARCH INTERESTS	Focused on optimization techniques for mixed-effect models in population health. Broadly: numerical optimization, machine learning, statistics.	
EDUCATION	University of Washington , Seattle, USA Graduation in June 2023 Ph.D. Student in the Department of Applied Mathematics ; • Research Advisor: Aleksander Aravkin Moscow Institute of Physics and Technology , Moscow, Russia July 2018 B.Sc. in Applied Mathematics and Physics, Department of Control and Applied Mathematics • Thesis Title: <i>Multi-armed Bandits in Demand-Response Problems</i> • Research Advisor: Yury Maximov ITMO University , Saint-Petersburg, Russia August 2015 B. Sc. in Computer Science, <i>incomplete, program transfer</i>	
PREPRINTS	1. Belyy, A., Sholokhov, A. , “MEMOIR: Multi-class Extreme Classification with Inexact Margin.” <i>arXiv preprint arXiv:1811.09863 (2018)</i> .	
CONFERENCES	1. Belyy A.V., Selezniova, M.S., Sholokhov, A. , and Vorontsov, K., “Quality Evaluation and Improvement for Hierarchical Topic Modelling.” <i>24rd International Conference on Computational Linguistics and Intellectual Technologies</i> 2. Selezniova, M.S., Belyy A.V., and Sholokhov, A. , “Heterogeneous Aggregation of Text Data into Hierarchical Topic Models” 2017. <i>60th Scientific MIPT Conference</i> . 3. Sholokhov, A. , “Conditional Coordinate Descent Method for Large-Scale Statistical Estimations” 2017. <i>60th Scientific MIPT Conference</i> .	
POSTER SESSIONS AND TALKS	1. Sholokhov, A. , “Conditional Coordinate Descent Method for Large-Scale Statistical Estimations” 2017. <i>2nd Physics Informed Machine Learning</i>	
TEACHING EXPERIENCE	Teaching Associate in University of Washington • Calculus with Analytic Geometry II • Calculus with Analytic Geometry II • Scientific Computing in MATLAB • Optimization: Fundamentals and Applications • High Performance Scientific Computing	January 2019 – Present Winter 2019 Spring 2019 Fall 2019 Winter 2020 Spring 2020
	Teaching Assistant in Remote High School of MIPT • Mathematics, General Physics	September 2015 – 2016

RESEARCH EXPERIENCE	Institute for Health Metrics and Evaluation, UW August, 2019 - Present Graduate Research Assistant in Math Science Team. Projects: <ul style="list-style-type: none"> • CurveFit: tool that forecasts deaths from COVID-19 for the IHME Projections. • SkMixed: SciKit-Learn compatible tool for selecting features in mixed models.
	Grenoble Informatics Laboratory, UGA March, June, October 2018 Visiting Research Student working on large-scale multi-label classification. Pre-print
	Center for Nonlinear Studies, LANL January, 2018 Visiting Research Student working on reinforcement learning in demand-response problems for power systems control. This work resulted in my bachelor thesis .
AWARDS	Study Awards <ul style="list-style-type: none"> • University of Washington's Top Scholar Award, September 2018 • MIPT Scholarship "For Outstanding Studying Effort" December 2015
OTHER ACHIEVEMENTS AND AWARDS	Competitions and Contests: <ul style="list-style-type: none"> • First prize in Microsoft Imagine Cup 2015 regional final April, 2015 • First prize in Business Case Solving Contest "Changellenge 2013" Social and Other Experience <ul style="list-style-type: none"> • University Case Club President in ITMO University May 2014 - April 2015
HARDWARE AND SOFTWARE SKILLS	Computer Programming: <ul style="list-style-type: none"> • GitHub: aksholokhov • Python, MATLAB, C/C++, Java, Scala
OTHER SKILLS	Languages: <ul style="list-style-type: none"> • English – Advanced (C1). TOEFL IBT: 106/120. • Russian – Native