


# MICHAEL PERSIIANOV

Date of Birth: September 13th, 2000

Moscow, Russia

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## Education

### Moscow Institute of Physics and Technology

Sep. 2022 – Present

*MSc in Applied Mathematics and Physics*

*Moscow, Russia*

- Advisor: Alexander Gasnikov
- GPA: 4.3/5

### Moscow Institute of Physics and Technology

Sep. 2018 – Aug. 2022

*BSc in Applied Mathematics and Physics*

*Moscow, Russia*

- Thesis: "Decentralized Convex Optimization on Time-Varying Networks with Application to Wasserstein Barycenters"
- Advisor: Alexander Gasnikov
- GPA: 4.46/5

## Work Experience

### Moscow Institute of Physics and Technology

March 2022 – Present

*Software Engineer Intern*

*Moscow, Russia*

- Development of an application for searching equilibria in traffic networks (RUT MIIT – MIPT research project)
- *Skills*: parallel high-load computing, interaction via gRPC, Docker containerization

## Publications

- **Decentralized Convex Optimization on Time-Varying Networks with Application to Wasserstein Barycenters.**  
Olga Yufereva, **Michael Persiianov**, Pavel Dvurechensky, Alexander Gasnikov, Dmitry Kovalev.  
May 2022, [arXiv:2205.15669](https://arxiv.org/abs/2205.15669).
- **Optimal algorithms for decentralized stochastic variational inequalities.**  
Dmitry Kovalev, Aleksandr Beznosikov, Abdurakhmon Sadiev, **Michael Persiianov**, Peter Richtárik, Alexander Gasnikov.  
February 2022, [arXiv:2202.02771](https://arxiv.org/abs/2202.02771).

## Research Interests

- Transportation Network Analysis
- Machine Learning
- Natural Language Processing

## Scholarships, Honors and Awards

- **Spring 2022-2023** 3d degree personal scholarship for contributions to the development of numerical optimization methods
- **Fall 2022-2023** 3d degree personal scholarship for contributions to the development of numerical optimization methods

## Additional Education

### Sirius University of Science and Technology

Apr. 2023 – Apr. 2023

*Scientific Conference on Modelling Transport. Listener*

*Sochi, Russia*

### Sirius University of Science and Technology

Oct. 2022 – Nov. 2022

*Modern Methods of Information Theory and Optimization. Research Student*

*Sochi, Russia*

### HSE Summer School

Jun. 2022 – Jun. 2022

*Listener*

*Pushkin, Russia*

### Sirius University of Science and Technology

Jul. 2021 – Aug. 2021

*Modern Methods of Information Theory, Optimization and Control. Research Student*

*Sochi, Russia*

## Computer Skills

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**Languages:** Python, Go, Julia, C, C++, SQL

**Machine Learning Tools:** Numpy, Scipy, Matplotlib, Pandas, Sklearn, OpenCV

**Deep Learning Tools:** Pytorch

**Developer Tools:** Git, Pytest, Docker

**Other Tools:** L<sup>A</sup>T<sub>E</sub>X, MPI, OpenMP, Flask, SQLAlchemy, gRPC, NATS, IPyWidgets

## Languages

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**Russian:** Native

**English:** Upper-Intermediate

**Chinese:** Elementary