

Semen Galakhov

Moscow, Russia

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EDUCATION

Lomonosov Moscow State University

Master of Science in Mathematics GPA: 4.9/5.0

Moscow, Russia

Sep 2020 - Jun 2022

Lomonosov Moscow State University

Bachelor of Science in Physics GPA: 4.9/5.0

Moscow, Russia

Sep 2016 - Aug 2020

WORK EXPERIENCE

Moscow Institute of Physics and Technology

Engineer Researcher of the laboratory of Multimedia Systems and Technologies

Moscow, Russia

Dec 2020 - Feb 2022

Institute of Control Science of the Russian Academy of Sciences

Engineer Researcher of the laboratory of Scheduling Theory and Discrete Optimization

Moscow, Russia

Jan 2019 - Present

RESEARCH EXPERIENCE

Received a Grant from RFFI foundation

Reduction of downtime when planning rail freight transportation, Received a grant in RFFI

Nov 2020 - Present

Research in the Field of Discrete Optimisation, Completing Research for Huawei

Optimising the operation of a 5G base station (NDA)

Oct 2019 - Feb 2022

Research in the Field of Scheduling Theory for Solving Practical Problems

scientific supervisor: professor Lazarev

Sep 2018 - Present

Grant for winner in the competition

Combinatorial optimization for Improving the energy efficiency of technical systems

Sep 2020 - Aug 2021

SELECTED CONFERENCES AND PUBLICATIONS

- May 2021: Instances Generation for a Single Machine Scheduling Problem, Journal of Physics Conference Series, V. 1864, pp. 1-7.
- May 2020: Chapter in the Monograph of Members and Scientific Partners of the Scientific Council of Russian Railways, pp. 239-250.
- Jan 2020: A problem of scheduling operations at a locomotive maintenance depot, CCIS, V. 1145, pp. 311-325.
- Feb 2019: Scheduling of Locomotives Maintenance TS-2 in a Depot, DEStech Transactions, pp. 36-47.
- Jan 2019: Algorithms for locomotives maintenance schedule, IFAC PapersOnLine, V. 52-13, pp. 951-956.
- Sep 2018 - Present: OPTIMA 2018, the VII conference "Intelligent control systems for railway transport 2018", EURO 2019, MOTOR 2019, MIM 2019, OPTIMA 2019, the VIII conference "Intelligent control systems for railway transport 2019", the IX conference "Intelligent control systems for railway transport 2020", the conference "Intelligent Data Processing 2020", OPTIMA 2021, MMPR 2021

ADDITIONAL EDUCATION & ACHIEVEMENTS

- Aug 2020: Summer School Optimization Control Information program at the Sirius educational Center
- Jul 2021: Advanced training in the "Artificial Intelligence" program at the Sirius educational Center
- Jul-Aug 2021: Summer School Optimization Control Information program at the Sirius educational Center
- Feb 2021 - Feb 2022: Machine Learning at the Mail.ru company
- Jul-Aug 2021: Summer School Optimization Control Information program at the Sirius educational Center
- Jul-Aug 2022: CDL-Toronto Quantum Bootcamp 2022

SKILLS

- **Computer skills:** Python, C/C++, Dart/Flutter
- **Languages:** Russian - fluent; English - fluent