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SKILLS

- C++ (Palabos), Python (scikit-learn, TensorFlow), R, SQL, SAS
- Wolfram Mathematica, MATLAB
- MS Office, TeX, PowerBI
- English (IELTS 7.5; e-YDS 90%; GRE Verbal Reasoning 150, GRE Quantitative Reasoning 168)

WORK EXPERIENCE

- | | |
|-------------------------|--|
| sep 2020 –
aug 2022 | <i>Teaching Assistant</i>
MIEM HSE Department of Applied Mathematics Course “Numerical Methods”
assisting in creating study materials for fourth-year bachelor’s (Jupyter Notebook, numerical methods & Python language) |
| jan 2021 –
june 2021 | <i>Research Assistant</i>
Professor Ilya Strebulaev, Stanford University <ul style="list-style-type: none">• processing and cleaning data, matching across different datasets• performing data quality checks and analyzing data |
| jan 2020 –
aug 2021 | <i>Research Assistant</i>
MIEM HSE International laboratory for statistical and computational genomics <ul style="list-style-type: none">• participating in a research project on computational genomics (inference of local tree topologies)• assisting in creating study materials for first-year bachelor’s (probability, statistics, stochastic processes) |
| sep 2019 –
dec 2019 | <i>Teaching Assistant</i>
MIEM HSE Department of Applied Mathematics Course “Complex calculations programming” <ul style="list-style-type: none">• assisting in creating study materials for first-year master’s (Jupyter Notebook, numerical methods & Python language) |
| may 2018 –
july 2019 | <i>Specialist (completed internship in oct 2018)</i>
Rosbank (Societe Generale Group) Department of retail credit risks Analytical division <ul style="list-style-type: none">• analyzing retail credit risks by products• testing external services• creating anti-fraud models (hypothesis testing)• weekly and monthly accounting• creating single alert notification tool• testing current decision-making logic |

EDUCATION

2020 - present	Higher School of Economics (PhD) Applied Mathematics Complex fluid flows modeling	
2018 – 2020	Higher School of Economics (master) MIEM Supercomputer Modeling in Science and Engineering A research of Lattice Boltzmann method and its implementation to solve problems of hydrodynamics	9.2/10
2013 – 2018	Bauman Moscow State Technical University (bachelor) Fundamental Sciences Applied Mathematics A research of applications of explicit methods of integration of ordinary differential equations with large stability domain to solve problems of mathematical physics	4.7/5

ADDITIONAL TRAINING

spring 2020	Deep Learning in Computer Vision Coursera, HSE	
spring 2019	Statistical Mechanics Coursera, Ecole Normale Supérieure	93.75%
fall 2018	Basic course in Machine Learning and Data Science Data Mining in Action	9.5/10

PROJECTS

2019	Hidden Markov model (genomics)
2018	Runge-Kutta-Chebyshev method
2017	Parallel algorithms' exercises