

Leonid Matyushin

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EDUCATION

PhD at HSE

FACULTY OF COMPUTER SCIENCE
Expected 2023 | Moscow, Russia

MSc at Skotech/HSE

CDISE/FACULTY OF COMPUTER SCIENCE
Grad. Jun 2020 | Moscow, Russia

BSc at HSE

FACULTY OF MATHEMATICS
Grad. Jul 2018 | Moscow, Russia

AESC MSU

Grad. Jun 2014 | Moscow, Russia

RELEVANT COURSES

- Bayesian Methods
- Reinforcement Learning
- Computer Vision
- Deep Learning
- Probability Theory
- Statistics
- Calculus
- Programming
- Logic & Algorithms
- Variational Calculus

SKILLS

Programming

Python, including frameworks and libraries:

- Pandas, NumPy, matplotlib, Plotly
- CatBoost, XGBoost
- PyTorch, PyTorch Lightning
- scikit-learn

Tools

- Git
- Docker
- SQL
- Microsoft Azure
- \LaTeX

Languages

- Russian (native)
- English (6/10 IELTS mock exam)

WORK EXPERIENCE

Laboratory of Methods for Big Data Analysis | RESEARCH INTERN

Jul 2018 – Present | Moscow, Russia

- Conducted research on the multi-fidelity approach to Bayesian optimization and variational Bayesian approach to the Toeplitz layers training (implemented algorithms, built docker containers, ran experiments, analyzed data, wrote preprints)
- Implemented scripts for Bayesian optimization of LHCb electromagnetic calorimeter
- Conducted seminars on the Data Analysis course (for the 3rd-year undergraduate students)
- Assisted at Sixth Machine Learning in High Energy Physics Summer School seminars

Saudi Aramco | DATA SCIENTIST

Jul 2020 – Sep 2020 | Moscow, Russia

- Short-term project: build an oil production prediction model (my system significantly outperforms previously developed approaches)

Deelight | DATA SCIENTIST

Feb 2019 – Feb 2020 | Moscow, Russia

- Build pump failure prediction model as a part of company's ecosystem
- Worked on a prediction model for oil production. Found and fixed significant model weaknesses
- Implemented an optimization procedure that chooses the best possible well stimulations on an oil field
- Implemented a tool for visualizing the predictions of the oil production model, as well as for the model for choosing the best well stimulations

Sberbank | INTERN DATA SCIENTIST

Aug 2017 – Sep 2017 | Moscow, Russia

- Designed and developed a dataset for a data science contest. Worked with Yandex Toloka: I set the task for the executors from this service, as well as implemented scripts for a data markup check automation that helped to save hundreds of working hours of my co-workers
- Worked over the problem of optimization of the number of funds loaded into the ATMs (data preprocessing)

COMPETITIONS

Rosneft Seismic Challenge | 2ND PLACE, SOLO

Oct 2019 – Dec 2019

- Image segmentation challenge
- Platform: boosters.pro
- 95 participated teams