

Aleksandr Avdiushenko

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Project Manager, Teacher and Data Scientist with 7+ years of experience in data science, analysis, and educational programs for the IT industry.

Work experience

- 2022 — present: Head of ML programs, [Yandex](#)
 - Organized one-year Machine Learning with modern approaches for 350+ participants in 2022-23
 - Enrolled 100+ talented students in three partner master's programs of Yandex
- 2019 — present: Associate Professor and Head of the educational program in «Data Science», [Saint Petersburg State University](#), [Department of Mathematics and Computer Science](#)
 - Launched new educational program «[Data Science](#)» in 2019, which immediately became popular among the best applicants in Russia, include winners of the International Olympiad in Mathematics (IMO)
 - Created and teach [one-year machine learning course](#) with modern ML approaches. The average student's evaluation of teaching is 4,78 out of 5,0
 - Developed with the group of students Python package for automatization of ML homeworks [mlpractice](#)
 - Created from scratch [International Scientific and Methodological Center of St. Petersburg State University](#) (Russian Ministry of Education grant) in 2020
- 2013 — 2022: Academic Programs Manager, [Yandex Data School](#)
 - Launched a branch of [Yandex Data School](#) in Novosibirsk in 2013
 - Expanded the Yandex Data School branch in cooperation with JetBrains to [Computer science center](#) in 2017
 - Organized open [Machine Learning training sessions](#) for Kaggle competition participants in 2019
- 2015 — 2018: Data Scientist, [Yandex](#)
 - Increased the accuracy of the organizations database twice by 2% and 3% (the main goal of the team)
 - Automated and optimized data update processes in call centers and in [Yandex.Toloka](#)
 - Worked in a group of six data scientists. We developed soft in Java, SQL, Python, a little bit of C++
- 2009 — 2015: Researcher, [Institute of Computational Technologies SB RAS](#)
 - Developed a new numerical model that takes into account the change in the geometry of the flow path over time
 - Accelerated calculations by the Fortran language software package available in the laboratory by 16 times (MPI per block), and another 7 times (OpenMP flows inside the block)
 - Made [PhD thesis \(in russian\)](#)

Skills

- Python (numpy, scikit-learn, matplotlib)
- Java (spring, hibernate), SQL
- linux, git, ipython notebook
- MapReduce, MPI, OpenMP
- machine learning (catboost, neural nets)
- algorithms, data structures
- math: analysis, numerical methods
- Russian: native, English: intermediate, French: beginner

Education

Master degree in Math	Novosibirsk State University	2009
PhD in Math modeling	Graduate School of ICT SB RAS	2014
Graduate , Machine learning	Yandex Data School	2016

Professional development

Programming Languages, parts A, B, C	University of Washington	Coursera certificate	2017
How to Win a Data Science Competition	HSE University	Coursera certificate	2019