Aleksandr Avdiushenko

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

Work experience

- 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
    - Created from scratch International Scientific and Methodological Center of St. Petersburg State University (Russian Ministry of Education grant) in 2020
    - 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

- 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++

- 2013 — present: Academic Programs Manager, **Yandex, CS center/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

- 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

Out of work

I like to spend time with my wife and two daughters.