

Slava Chekmenev

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Education

- 2017 – 2020 **High School**, Physics and Mathematics Lyceum №1580 at the Bauman Moscow State TU
- 2020 – **3rd year B.Sc, Moscow Aviation Institute** Applied Mathematics and Computer Science.

Skills

- Coding Python, Jupyter, Colab, C++, C, Bash, docker.
- ML and DL Scikit-learn, XGBoost, LightGBM, Catboost, PyTorch.
- Python libs Pandas, NumPy, SymPy, SciPy, Matplotlib, Django, Seaborn.
- Maths Calculus, Linear Algebra, Probability Theory, Statistics, Differential Equations, Real Analysis, Optimization Methods, Numerical Methods.
- Languages Strong reading, writing and speaking competencies for **English**, beginner level in **German**, native in **Russian**.
- Misc. Algorithms and Data Structures, Linux, \LaTeX , git, github, PostgreSQL, MongoDB.

Projects

- ML, RecSys Recommendation to the government of the City of San Francisco to issue a permit to change the landscape or not. **Stack:** Sklearn, PyTorch, XGBoost, Catboost. code
- ML, RecSys Decision trees and random forests for predicting the fact of successful completion of the MOOC course for students. **Stack:** Sklearn, pandas, matplotlib. code
- Fin Math Calculation of various curves and mathematical models of financial mathematics in C++ for derivative financial instruments. **Stack:** C++ STL, SciPy, SymPy. code
- Audio Audio search. Cooley-Tukey algorithm for Fast Fourier Transform. **Stack:** SciPy, C++ STL. code
- NLP Analysis of human queries to family tree. **Stack:** Prolog, python. code
- Algorithms Dijkstra's algorithm for finding shortest paths in a graph with GUI. **Stack:** C++ STL, C. code
- Low-level Multithreaded client-server system for instant or delayed message sending. **Stack:** C, ZeroMQ. code
- Web Web application for computer assembly. **Stack:** Django, HTML, CSS. code
- Web Multithreaded JavaScript web application. **Stack:** Express.js, HTML, CSS. code

Specialized Courses and Misc.

- Math **I am a Professional. Math.** Passed to the final stage.
- AI, Math **I am a Professional forum.** Selected to MIPT Edu Forum on AI, Maths and Physics in April 2023.
- ML **mlcourse.ai.** Did all homeworks and individual project: code link
- ML, DL **Deep Learning School** advanced stream, part 1.
- DS, ML **Introduction to Data Science and Machine Learning** course on stepik. Certificate link
- Statistics **Basics of statistics** course on stepik: part1 link and part2 link.
- ML, python Passed Kaggle courses: **pandas** Certificate link and **Intro to Machine Learning** Certificate link.
- C and C++ **Basics of C programming** course Certificate; **Introduction to Programming (C++)** Certificate