Nikishkina Evgenia

Moscow, Russia
+79036961761 nikishkina.jane@gmail.com zhenyanikishkina

EDUCATION

University Gymnasium MSU **2018 – 2020**
GPA - 5.0 *Moscow, Russia*

MSU, Faculty of Computational Mathematics and Cybernetics **2020 – 2024**
GPA - 4.98 *Moscow, Russia*

WORK

Exam Preparation Education Center **Office**
Mathematics Teacher *September 2020 - August 2023*

Huawei Russian Research Institute **Office**
Assistant Engineer(Full-time), System Engineering lab *July 2022 - September 2022*

- First direction. Comparison of algorithms based on articles and selection of the most optimal solution for the aarch64 architecture.
- Second direction. Optimization of code written in C++ using SIMD:NEON.

Yandex **Office**
Intern ML developer(Full-time), The Meaning Search Group *July 2023 - November 2023*

- The use of external information in the development of the generative neural network YaLM2.0 (YandexGPT).

SKILLS

Programming languages: Python, C++
Frameworks: Numpy, Sklearn, Matplotlib, PyTorch, STL, Flask
Technologies: Git, Docker, LaTeX
Languages: English (B2)
Courses: Mathematical statistics and applications, Linear algebra, Optimization methods, Mathematical analysis, Bayesian and Neurobayesian machine learning methods, Classical ML, Deep learning, Assembly, C++ course
Soft Skills: Leadership, Event Management, Writing, Public Speaking, Time Management

OLYMPIADS

United Interuniversity Mathematical Olympiad of Schoolchildren confirmation code: 186 3545-15100
Physics and Mathematics Olympiad of schoolchildren "Rosatom" confirmation code: 186 3070-51842
Interregional Olympiad of schoolchildren "SAMMAT" confirmation code: 186 1924-21420
Olympiad of schoolchildren "Fiztech" confirmation code: 185 4662-52482

COMPETITIONS

Machine learning competition "Implementation of intersection by sets" 1st place
Machine learning training competition "The task of predicting chemical properties" 5th place

COURSES

Joint scientific seminar INM RAS - Huawei
Coursera C++ Development Fundamentals: White Belt, Yellow Belt
The course "Introduction to machine learning" by A. G. Dyakonov.
Stepik course, Samsung AI Center: Neural networks and computer vision

PROJECTS

K-MEANS: Implementation of the K-means algorithm using "numpy" and "matplotlib".
A project related to the study of **metric classification algorithms** and methods of working with images.
A project related to the application of **gradient learning methods** to linear models to determine the toxicity of a comment.
A web server wrapped in a docker container with its own implementation of **random forest and gradient boosting algorithms** aimed at solving the problem of predicting the cost of housing.
A fully connected neural network using numpy.
Image segmentation (U-Net and LinkNet architechtures). Recurrent Neural Networks and LM.
Conformer for the denoising task