



Karimov Ainur

Data Scientist

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About me

Experienced Computer Vision Engineer with a strong foundation in theory and practice, MIPT alumnus, advancing skills through MADE Big Data Academy. 6+ years in machine learning, focused on medical segmentation, geodata processing, and statistical analysis. Proficient in Python, PyTorch, OpenCV, Docker. Skilled in deploying models to production and delivering profitable solutions. Eager to keep learning and contribute meaningfully to the team.

Skills

SQL * R * C++ * MLOps

Python * Linux * computer vision

Russian★C2 English★B2 Tatar★B2
 Spanish★A1 Turkish★B1
 (*)[language proficiency]

Education

MSc, ФАКТ
 МИТ (МФТИ)
 2022 | Moscow

ВMath, Кафедра теории функции и приближе-
 ния
 КФУ Институт Механики и Математики
 2014 | Kazan, Russia

Experience

Feb 2022 — Now	Machine Learning Engineer	Innopolis University
	<ul style="list-style-type: none"> tasks: semantic segmentation of medical data skills: git, python, torch, python, tfs, DICOM achievements: <ul style="list-style-type: none"> 2 patents (see folder below) presented our model at International Forum 	
Jul 2019 — Feb 2022	Data scientist, comp. vision	Avtodoria
	<ul style="list-style-type: none"> tasks: semantic segmentation, applications with HD map and geodata, image and geodata processing skills: docker, pytest, opencv, torch, geodandas, gitlab achievements: <ul style="list-style-type: none"> deep learning model from scratch to prod solutions were sold for a big profit 	
Sep 2017 — Oct 2018	Data Scientist	Maxima
	<ul style="list-style-type: none"> tasks: research, statistical analysis: finding and fitting distributions, checking the hypotheses skills: python, r, pandas, sklearn, statsmodels, jupyter etc. achievements: <ul style="list-style-type: none"> creation an application based on the Bayesian statistics to replace people. Tests were great. 	

Main recent events

I was a student of "Big data academy MADE" for 3 semesters. Some learned subjects:

- advanced python: pytest, logger, rest services
- introduction to algorithms and data structures
- geodata analysis: typical problems, geopy, geopandas
- machine learning on graphs: networkx, dgl
- machine learning in production: dvc, mlflow, airflow, kubernetes, cicd
- advanced ml: based on the bayesian statistics etc

Certificates

- Yandex.disk folder for certificates
- I was a listener of HPC school by Intel (2014), Innopolis University (2014, 2015) with a certificate of advanced training), Summer Bioinformatics School (2014)
- Multiple diplomas of math contests of different levels: school, student, international:
 - 5 times the 1st place in the city contest
 - the 4th place in the state contest
 - a A second-degree diploma at “The Open Volga Mathematical Olympiad for Students named after N.I. Lobachevsky”: the first among all student and all yers of my department
 - the 1th place in the math contest of “International Space Olympics” among students from Great Britain, Russia, Germany and Greece.

Interests etc.

Science, mathematics, self-education, languages (speaking and programming)

Future aims

Reinforcement learning, SLAM, math statistics