# Karimov Ainur

## Data Scientist

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## About me ————

As an MIPT alumnus and experienced Computer Vision Engineer, I have a strong background in the computer software industry. I have expertise in a variety of technical skills, including Computer Vision, Linux, R, Image Processing, and Python programming. Throughout my career, I have demonstrated a strong ability to utilize these skills to successfully deliver results in various projects. I am confident in my ability to contribute to any team and drive positive outcomes.

## Skills ————

computer vision

MLOps

SQL * R * C++ * LaTeX

Python * Linux *

Russian⋆C2 English⋆B2 Tatar⋆B2
Spanish⋆A1 Turkish⋆B1

(*)[language proficiency]

## Education ————

MSc, ФАКТ
MIPT (МФТИ)
2022 | Moscow

BMath, Кафедра теории функции и приближения
КФУ Институт Механики и Математики
2014 | Kazan, Russia

## Experience

| Nov 2022 — Now | Research assistant | nazarbayev university |
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- tasks: SLAM project
- skills: python, docker

| Feb 2022 — Now | Machine Learning Engineer | Innopolis University |
|---|---|---|

- tasks: semantic segmentation of medical data, pathomorphology, fluorography
- skills: torch, python, tfs, DICOM

| Jul 2019 — Feb 2022 | Data scientist, comp. vision | Avtodoria |
|---|---|---|

- tasks: semantic segmentation, applications with HD map and geodata, image and geodata processing
- skills: python, bash, git, docker, pytest, opencv, torch, geodandas, gitlab, etc.
- achievements:
  – deep learning model from scratch to prod
  – solutions were sold for a big profit

| Sep 2017 — Oct 2018 | Data Scientist | Maxima |
|---|---|---|

- tasks: research, statistical analysis: finding and fitting distributions, checking the hypotheses
- skills: python, r, pandas, sklearn, statsmodels, jupiter etc.
- achievements:
  – 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: git, docker, dvc, mlflow, airflow, kubernetes, cicd, reproducible code
- 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 the professional development), Summer Bioinformatics School (2014)
- IELTS with the band 6.0

## Interests etc.

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

### Future aims

DevOps, reinforcement learning, ROS, SLAM