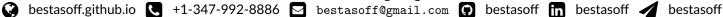
Stanislau Beliasau

Machine Learning Engineer









Eligible to work in United States - Green Card holder.

Work Experience

Gradient San Francisco, USA Middle Computer Vision Engineer August 2022 - Present

Image-to-image translation

- * Develop GAN-based filters;
- * Collect and create datasets;
- * Develop models for image, classification, body and face attributes segmentation:
- * Deploy models on the server;
- * Research and implement new methods;
- Image warping
 - * Developed and trained CNN-based models for image warping;
 - * Collected and generated datasets;
 - * Deploed models both on the server and IOS;
 - * Researched and implemented new methods of image warping and data generation;
- Image generation
 - * Conducted a huge research of generative models (like Stable Diffusion, LDM);
 - * Collected specific domain data (used CLIP, BLIP models);
 - * Researched textual inversion methods and fine-tuned these models:
 - * Researched and implmented methods for model acceleration, distillation;

ArtLabs Minsk, Belarus May 2022 - August 2022

Machine Learning Engineer

 Developed time-series demand forecasting models. • Developed production pipelines to convert raw data into feature vector and to forecast the demand.

iTechArt

Machine Learning Engineer

Minsk, Belarus February 2022 - August 2022

• Developed gRPC endpoint client/server image classification service with FastAPI framework. Used Uvicorn and Prometheus with Docker and Supervisord. The endpoint was designed to asynchronically process client requests for classification and return the responses to client.

Yandex Minsk. Belarus

Software Engineer Intern May 2021 - November 2021

Education

Yandex school of Data Analysis

Moscow, Russia

Master's degree level program, Machine Learning developer academic program

September 2020 - June 2022

Belarusian State University

Minsk, Belarus

Bachelor's degree in Computer Science and Applied Mathematics

September 2018 - July 2022

Skills

Programming languages: C++, Python, SQL.

Frameworks: PyTorch, torch.distributed, Tensorflow, FastAPI, Flask, scikit-learn, OpenCV, numpy, pandas, catboost, xgboost, coreml, bitsandbytes.

Engineering skills: Computer Vision, NLP, Classical ML, Time-Series Forecasting, Distributed learning, Data-Parallel training, Model-Parallel training, Model deployment, Model distillation, C++ multithreading.

Tools: docker, docker-compose, git, bash, Kubernetes, Airflow, Prometheus, ES, datadog, gRPC.

Math: Optimization, Linear algebra, Probability theory, Statistics, Calculus.

Languages: Russian (native), English (B2)