Stanislau Beliasau

Machine Learning Engineer

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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**
Machine Learning Engineer — *May 2022 - August 2022*

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

iTechArt — **Minsk, Belarus**
Machine Learning Engineer — *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)