

Contact

O s

Saint-Petersburg



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github.com/Myashka

Software

Python

Good
PyTorch

Pandas

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Good

SciPy

Average

NumPy

Good

Good

Docker

SQL

Average

Average

Languages

Russian - Native

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Excellent

English - C2

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Excellent

Skills

Teamwork



Presentation skills



Time management



Critical thinking





Alexey Gorbatovskiy

ML Engineer

Reliable employee seeking junior+ ML Engineer NLP position. Offering excellent communication and good judgment.

Work history

2022-10 **–** 2023-04

MLE Laboratory Assistant

NCCR ITMO University, Saint-Petersburg

- Search and compilation of a dataset for segmentation and identification tasks
- R&D to improve segmentation results
- Setting up experiments for the identification problem
- Developed time series forecasting pipeline
- Developed tools for image analysis, preprocessing and generation for high resolution image segmentation

Education

2019-09 -Current

Bachelor of Infocommunication Technologies: Applied Programming

ITMO University - Saint-Petersburg

- GPA: 4.95/5.00
- Head of the study group

Projects

Diploma "Development of methods for improving the quality of generative models to answer specialized questions in the field of programming"

December 2023

- Python QA collecting data;
- STF pipeline building;
- 8-core TPU training;
- Reward-model training;
- PPO pipeline for RLHF at CQA domain;
- Promt searching for QA;
- Bayesian Networks for Named Entity Prediction in Programming Community Question Answering (paper);

ChatGPT Hackathon 3rd place

March 2023

- Developed personal English trainer as TG bot;
- Strong promts development;
- Presenting;

Neural Machine Translation

June 2022

- Text preprocessing;
- Encoder-Decoder architecture;
- LSTM-encoder;
- CNN-encoder;
- Attention with LSTM encoder with GloVe embeddings;
- PE with CNN encoder;
- Tensorboard tracking;

Atati Breackout Agent Training

August 2022

- Trained Dueling deep Q-learning agent with target network;
- Replay buffer;
- Frame-buffer;
- Image preprocessing;

IV ICT HackMade data mining;

May 2022

- Tested baselines;
- Created NPL models for multiclass classification;
- BERT fine-tuning;
- Hyperparameters optimization;
- Created presentation and project protection;

Applied Al Challenge

May 2022

- Time series forcasting;
- Traditional time series analysis;
- Autoregression CatBoost model;
- Presentation and defense of research;

Convolutional VAE for CIFAR10 August 2022

- Convolutional VAE implementation;
- Manifold visualization;

Acrobot Agent Training

August 2022

- Trained A2C agent;
- Using 2 different models to actor and critic;

Poetry Generation

June 2021

- Text preprocessing;
- Onegin and Shakespeare based seq2seq models;
- LSTM encoder-decoder model;

SVM classification January 2021

- SVM implementation;
- Sklearn pipeline;
- Hyperparameters experiments;
- Beautiful visualization;

Fake news Detection – student project

March – June 2021

- NLP model training for binary classification;
- Image2Text recognition;

Certifications

2022-09	School at 11 th International Young Scientists Conference in Computational Science
2022-08	Open Machine Learning advanced course by MIPT (self-studied)
2022-02	Open Machine Learning base course by MIPT (self-studied)
2022-07	Algorithms by CSC
2022-09	Basics of statistics by Bioinformatics Institute
2021-07	Neural Networks and Deep learning by DeepLearning.Al
2020-04	Image Processing by HSE
2022-08	Interactive SQL simulator
2021-08	OOP and design patterns in Python by Mail.ru and MIPT
2021-07	Diving into Python by Mail.ru and MIPT
2021-07	Python programming by Bioinformatics Institute
2022-06	Probability theory by CSC
2021-08	Mathematics and Python for DA by Yandex and MIPT

Interests

Ex-leader of basketball team Philosophy