ANTON TIKHONOV

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GitHub: itwastony

Email:

EDUCATION

B.S in Information Security, Moscow State University of Geodesy and Cartography   Sep 2020 - Jun 2024
Department of information measuring system.

Deep Learning & Machine Learning, Tinkoff Generation   Sep 2021 - May 2022
Experienced with Computer vision, Natural Language Processing,
feature generation and data visualization.

SKILLS

Languages	Python
Frameworks	Pytorch, Scikit-learn, Numpy, Matplotlib, Plotly, Seaborn, Pandas
Tools	Linux, Git, Jupyter Notebook, Anaconda
Soft Skills	Time Management, Teamwork, Communication

PROJECTS

Deep Learning Framework - Python, Numpy, Matplotlib   GitHub

- Framework for Deep Learning from scratch, using only numpy.
- Calculated derivatives for CrossEntropyLoss and etc.
- Partial implementation of the Pytorch framework.
- Implemented layers such as BatchNorm, Dropout, Linear and etc.

Tinkoff Generation DL - Python, Pytorch, Numpy, Matplotlib   GitHub

- Solved the MNIST problem using a fully-connected neural network, also familiarised myself with AE, morphing.
- Solved the colorization problem using the methods suggested in the research paper (LAB colour space).
- Learned about GAN, Seq2seq, Language models.
- Solved the problem of style transfer, got to know Content Loss, Style Loss.

Tinkoff Generation ML - Python, Scikit-learn, Numpy, Matplotlib, Seaborn   GitHub

- EDA of FIFA players.
- Linear Regression. Overfitting, Cross-validation & Regularization.
- Classification tasks. Precision, Recall, F1, ROC-AUC.
- Unsupervised learning. K-Means, DBSCAN, Agglomerativeclustering, SVD, PCA, tSNE

EXTRA-CURRICULAR ACTIVITIES

- **Python programming**, Bioinformatics Institute
- **Python: Basics and application**, Bioinformatics Institute
- **Neural networks & Computer Vision course**, Samsung Research Russia
- **Mathematics and Python for data analysis**, MIPT, Yandex & E-Learning Development Fund