Fetisov Danila
https://github.com/wLeem
Email : fetisoff.danila2014@yandex.ru
Mobile : +7-915-684-63-30

Education

- **HSE University**
  Informatics and Computer Engineering; GPA: 8.00 *2020 – 2024*
- **HSE University**
  Introduction to applied analytics *2021 – 2023*
- **Tinkoff Generation**
  Machine Learning course *2022 – 2023*
- **FPMI MIPT**
  Deep Learning School *2020 – 2021*

Experience

- **Project**
  Telegram Bot with AI
  - **Telegram bot + Heroku + Neural Network**: I started with network from pytorch documentation, that based on gram matrix and working very long (more than 3 minutes). After that, try different approaches, but in the end used AdaIn (Adaptive Instance Normalization). A simple bot with asynchronous functions on webhook. Processes sent photos (receives 2 photos: 1st - style, 2nd - content, transferring style and sends result images to dialog with user), reacts only to some messages in a special way, the rest is simply forwarded (echo).
  - **Skills**: Libraries: aiogram, opencv, pytorch, torchvision
- **University Project**
  Analysis of popular videos on YouTube
  - **Application + GUI**: This is a graphical interface application that allows you to work with the database. Implemented functionality: The user can change the database, he can delete an existing record about some video, create a new one, or change an existing one, as well as save the changed dataset at the end; filter the dataset according to his criteria; display pivot table or statistical graphs showing various dependencies between the data.
  - **Skills**: Libraries: tkinter, pandas
- **Tasks implemented during various courses**
  Stepik+Tinkoff generation+DLS
  - **MNIST dimensionality reduction using an autoencoder, creating a morph**
  - **Colorization of black and white images using CNN**
  - **Predict Sentiment of Reviews using RNN**
  - **Predict customer churn using catboost (CatBoostClassifier)**
  - **Using CNN to recognize different heroes on pictures, also use and compare transfer learning approaches**
  - **Segmentation of medical images (use SegNet, U-net)**

Courses

- **Bioinformatics Institute**: Introduction to Data Science and Machine Learning
- **Bioinformatics Institute**: Fundamentals of statistics

Programming Skills

- **Languages**: Python, C++, SQL
- **Ml stack**: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, XGBoost, CatBoost
- **Dl stack**: OpenCV, Pytorch, Albumentations
- **Other**: Git