

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 January 2022 – May 2022
- **FPMI MIPT**
Deep Learning School 2020 – 2021

EXPERIENCE

- **Sber** October 2022 – March 2023
Data Science Intern
 - **Outflow of funds from deposits:** A model for predicting the full or partial outflow of funds from deposits of individuals. The model is divided depending on the type of client (mass, privileged) and the type of deposit (replenished, managed).
 - **Current account balances:** A model for predicting current account balances in the entire banking sector of Russia (and specifically Sber).
 - **Off-balance model:** Development of a model that predicts the percentage of the total approved loan amount (mortgage or consumer loan) that will be taken by an individual in a certain period of time after bank approval.
 - **Script for calculating the integral metric:** Software module for automatic calculation of the integral risk metric based on the key rate behavior scenario.
- **Project**
Telegram Bot with AI
 - **Telegram bot + Heroku + Neural Network:** A simple bot with asynchronous functions on webhook. It processes received photos (user sends 2 photos: 1st - style, 2nd - content, NN (with AdaIN approach) transferring style and user gets result images), reacts only to some messages in a special way, the rest is simply forwarded (echo).
 - **Skills:** Libraries: aiogram, opencv, pytorch, torchvision
- **Various completed tasks**
Stepik+Tinkoff generation+DLS+internship test
 - Using CNN to recognize different heroes on pictures, also use and compare transfer learning approaches
 - Segmentation of medical images (use SegNet, U-net)
 - Binary classification of article titles for their fakeness (word2vec, navec-embeddings)

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, Statsmodels, XGBoost, CatBoost
- **DL stack:** OpenCV, Pytorch, Albumentations
- **Other:** Git