DENIS MANICHKIN

Data Scientist, Moscow

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Data Scientist with 3+ years of machine learning experience, mostly in computer vision (with iOS and Android model launching) and tabular data tasks. 1+ year of Data Science team leading experience. Mostly working with SOTA articles, trying to use their results for different tasks.

TECHNICAL SKILLS

Development: Python, SQL, Bash, JavaScript
Machine Learning: Pytorch, Tensorflow (with Keras), XGBoost, Catboost, TFLite, CoreML, Hydra, timm, numpy, pandas, seaborn, matplotlib, plotly
Deployment: Git, Docker, FastAPI, Flask, Kubernetes, AWS, Locust, pytest
Dataset collection: Toloka, Selenium
Other: Jira, Notion, Linux

EXPERIENCE

MNFST   **Nov 2018 - present**
Data Scientist   *Moscow, Russia*

- Created service for family members recognition (in terms of age, gender and images where members are depicted) from user profiles: trained face embedding with face quality assessment, age and gender prediction models.
- Trained real time quality assessment (with emotion recognition), matting (segmentation), style transfer and image enhancement (with face emotion editing) models for iOS and Android mobile platforms.
- Developed celebrity face recognition service with possibility to add any face feature just from celebrity name. Added 3kk celebrity face features with this flow.
- Content analysis: account quality assessment (premium profiles - images, text and video content), user interests detection (automotive, beauty, etc. by images, texts and hashtags), user solvency prediction models.
- Collected dataset, trained and deployed optimized for CPU models for high-load CV tasks (family members recognition in terms of age and gender, various classification problems).
- Developed services for fast data extraction from social networks (instagram, twitter, facebook).
- Account content moderation. Collected datasets and trained models for: non personal, children, cartoon, military and porn/nude detection tasks.
- Developed approach to get image classification datasets with any text description from large datasets.
- Trained and deployed scoring model for predicting views count that user can generate after making post.
- Created service for data visualization.
- Implemented different antifraud approaches.

EDUCATION

MIPT DGAP Master's degree   **2019 − 2022**
Nuclear modelling   *Moscow, Russia*

MIPT DGAP Bachelor's degree   **2015 − 2019**
Landau Institute for Theoretical Physics, Nuclear modelling   *Moscow, Russia*

OTHER

- Winner of various school and student Maths and Physics Olympiads.
- Passed Landau Theorminimum Maths-1 in 2017.
- English B2.