MARAT MANSUROV

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EDUCATION

Higher School of Economics   Sep 2019 – Jun 2023
Bachelor in Applied Mathematics and Computer Science
Relevant Courses: Algorithms and Data Structures, Machine Learning, Deep Learning, NLP, Graph NN, Efficient DL, Self Supervised Learning.

SKILLS

Programming Languages	Python 3, C++, SQL
General	Bash, Git, Docker, LaTeX
Frameworks	Numpy, Pandas, Scikit-learn, PyTorch, W&B, CatBoost
Languages	Native Russian, Advanced English

WORK EXPERIENCE

Intern Deep Learning Engineer at Text-to-Speech Team, Yandex   July 2022 – October 2022

- Worked on creating new loss function for speech synthesis based on a user quality assessment.
- Suggested several important hypothesis and set experiments.
- Wrote a pipeline for training and experiments from scratch.
- Found issues with a user quality assessment, set up experiments and suggested solutions based on the results.
- Python, SQL, PyTorch, Toloka.

Intern Analyst at Yandex.Direct Moderation Team, Yandex   June 2021 – October 2021

- Trained and implemented **4** new classifiers for detecting political and prohibited content on images. Improved quality metrics from **0.62** to **0.80** compared with previous approach.
- Collected **3** datasets from raw logs for training.
- Python, SQL, CatBoost.

PROJECTS

- Made and trained a neural net playing Flappy Bird using DQN algorithm using OpenAI Gym package for Python.
- Wrote my own Snake game using Python and a trained FCNN by using genetic algorithm instead of classic gradient descent.

ACADEMIC ACHIEVEMENTS

- Winner of "I.J. Verchenko Interregional Olympics in Mathematics and Cryptography" Olympiad.
  (300+ participants)
- Winner of "Lomonosov" Mathematics Olympiad.
  (500+ participants)

EXTRA ACTIVITIES

- Ultimate frisbee, gym, climbing, billiard, volleyball.