

# MARAT MANSUROV

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## EDUCATION

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**Higher School of Economics**

Sep 2019 – Expected Jun 2023

Bachelor in Applied Mathematics and Computer Science

## SKILLS

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<b>Programming Languages</b>	Python, C++, SQL
<b>General</b>	GitHub, LaTeX, Linux, Algorithms and Data Structures
<b>Programming Tools</b>	Visual Studio, PyCharm, Jupyter Notebook, Anaconda
<b>Modules</b>	Numpy, Pandas, Scikit-learn, PyTorch, W&B, CatBoost
<b>Visualisation</b>	Matplotlib, Seaborn
<b>Languages</b>	Native Russian, Advanced English

## WORK EXPERIENCE

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- Analyst at Yandex, Moscow, Russia June 2021 – October 2021

Implemented **4** new classifiers for detecting political and prohibited content on images. Improved quality metrics **from 62 to 80 percent** compared with previous approach. Worked with **YDB** database, **YQL**, prepared **3** large datasets for training and made **8** new real-time plots for the main dashboard.

## PROJECTS

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- Made a neural net playing Flappy Bird using DQN algorithm using **Gym** package for **Python**.
- Wrote my own Snake game on **Python** and a Neural Net for it using genetic algorithm.
- Currently, work with deep learning for audio. Research the impact of Attention Mechanism for Accent Recognition problem.

## ACADEMIC ACHIEVEMENTS

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

## EXTRA ACTIVITIES

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- Gaming, sports