Alexey Gavrilov

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EDUCATION

ITMO University   Saint Petersburg, Russia
B.S. in Computer Science, Information Systems and Technologies   2019–2023

PROJECTS

- Telegram bot for transferring image style (2020)
  Created telegram bot that applied a style of one image to another image. See demo on GitHub.
  Github: aogavrilov/P2SBot

- Computer Vision tasks (2020)
  Built two models with four loss functions for segmentation of the skin images and compared the models
  using two metrics: accuracy, response time. Showed work of cycleGAN on winter2summer
  image translation(Example on github).
  GitHub: aogavrilov/CVModels

- Timetable (2019)
  Created telegram bot that allowed users to add lessons to the schedule and check their timetable for the day.
  GitHub: aogavrilov/My-some-projects

- Homeworks by Digital Culture (2019)
  Implemented two archiving algoritms (Haffman, Shenon-Fanno) and compared them by compression ratio and
  redundancy of the generated code. Built program for finding typos and fixes, using editorial distance
  as similarity metric.
  GitHub: aogavrilov/ITMO-DigitalCulture

SKILLS

- **Languages:** Python, SQL, C++, C
- **Libraries:** PyTorch, Pandas, Numpy
- **Mathematics:** Theory of Probability, Statistics
- **Computer Science:** Machine Learning, Computer Vision.

ADDITIONAL

- Ended course of Computer Vision with 1'st degree diploma (MIPT, DLS)   2019–2020
  Upgrade skills of classification, detection, segmentation and generation images.
- Volunteer at Mathematics olympiad(Open International olympiad by ITMO).   Spring 2020
  I supervised the students at class.
- Winner of All-Russian Mathematics olympiad("Rosatom")   Spring 2019