Said Azizov

Junior machine learning engineer

PERSONAL DETAILS

Birth	September 30, 2004
Phone	+7 995-151-87-97
Mail	azizoff.said@gmail.com
Github	https://github.com/proton-bit
Kaggle	https://www.kaggle.com/michaelcripman

SKILLS

Software	Python(Advanced), C++(basics), sklearn, pandas, matplotlib, numpy, opencv, keras, pytorch, bash, git, PyQT5, algorithms.
Fields:	Classic ML, Computer Vision, Optical Character Recognition, Image Captioning, GANs, Video Processing, Classification, Regression, Segmentation, Detection.
Languages	Russian (native) English (advanced)

EDUCATION

Bachelor in Intelligent Data Analysis Systems 2022-present
National University of Science and Technology MISiS (Moscow, Russia)

COMPETITIONS EXPERIENCE

NTO ATS Olympics 2022 January 2022 - May 2022
Result: The 2nd place.

Our task was to build a system for delivering goods to a potential city. Equipment involved in the delivery: a small car, a quadrocopter, a robotic arm. We've built simulator on Unity and used YOLOv5 for object localisation, we used opencv as a CV framework.

NTO AI Olympics 2022 January 2022 - May 2022
Result: The prize-winner ($8250).

The end-to-end OCR task. We trained Mask R-CNN model for the words detection. For the OCR part of solution we used ensemble of CRNNs trained on CTC loss. We trained it with a complex pre-processing, augmentations and external data. We used KenLM as a language model on inference.

AIIJC (inclusive environment track) January 2022 - May 2022
Result: Absolute winner ($16500).

The solution that allows to recognize the letters of the dactyl alphabet and individual words of the Russian Sign Language in real time using a neural network. Resnet(2+1D) for gestures recognition + YOLOv4 for person localisation, we used PyQT5 as a GUI framework for the sake of cross-platform application.