Middle ML Engineer/ Geo services   **Jun 2023 — Present**
Yandex   *Python 3, PyTorch, Hydra*

→Automatic maps markup. Road and road elements segmentation from aerophotos.

Middle ML Engineer/ Computer Vision Platform   **Jul 2022 — Jun 2023**
Sber Devices   *Python 3, C++, PyTorch, Hydra, DVC, OpenCV, ONNX, torch_pruning*

→Background removal for video conferencing. Improved metrics (0.98 dice) and visual quality, 1.5x speed up after pruning.
→Pay card localization. Trained 700KB model for card segmentation. Developed C++ inference pipeline.

ML Developer intern / VR Team with V. Lempitsky   **Jul 2021 — Oct 2021**
Yandex   *Python 3, PyTorch, Tensorboard*

→VR scene quality improving by predicting human alpha mask. Researched papers and improved FBA Matting.

ML Research Intern / Mobile Authentication   **Nov 2020 — June 2021**
Samsung R&D Department   *Python 3, PyTorch, Bash, Numpy, Pandas, Sklearn, Tslearn*

→Worked on a ML pipeline for mobile phone authentication by user's motion patterns with $82.2\% \pm 9\%$ accuracy - paper.

Software Engineer Intern / Software performance engineering team **Aug 2020 — Oct 2020**
Huawei   *C, Octave, Catch2*

→Worked on a framework for faster developing open-source 5G wireless library by developing a testing platform on C and Octave