

Dmitry Barsukov

CONTACT INFORMATION	Residence: Moscow, Russia	Telegram: @riZZZhik (preferred) Email: riZZZhik@gmail.com GitHub: github.com/riZZZhik
PROFESSIONAL SUMMARY	Experienced Machine Learning Engineer with 5+ years in AI solutions focusing on Text-to-Speech, Computer Vision, and Deep learning optimization. Proficient in deploying scalable AI systems with model servers like Triton and OpenVINO, and integrating frameworks such as TensorRT, ONNXRuntime, PyTorch, and TensorFlow. Skilled in building observability systems using Grafana, Prometheus, and Kibana to ensure the reliable and efficient performance of AI services.	
RESEARCH AREAS OF INTEREST	Machine Learning; Deep Learning Model Optimization; Computer Vision; Speech Technologies	
PROGRAMMING SKILLS	Languages: Python (advanced), Go (advanced), Tritonlang (average), C/C++ (average), CUDA C++ (average) Deep Learning Frameworks: PyTorch, TensorFlow, Keras Optimization frameworks: Torch compile, TensorRT, Tritonlang, OpenVINO, Triton Server Technical skills: OpenCV, Torchaudio, Docker, Kubernetes, Git, CI/CD, Observability, Linux	
LANGUAGES	Russian (native); English (advanced)	
EMPLOYMENT AND EXPERIENCE	MTS AI June 2022 - Present Senior Python Machine Learning Engineer Development of a Text-to-Speech service that surpasses leading competitors in the Russian language. Main responsibilities: model inference optimization, deployment, and supporting business logic. Technologies: Python, PyTorch, WandB / ClearML, Triton Server, Observability, Docker + Kubernetes, Git + CI/CD SIRIN March 2021 - January 2022 Middle Python Machine Learning Developer Development of a service using computer vision for automatic opening of car barriers. Main responsibilities: researching model architectures, finding/generating datasets, training, and deploying models. Achieved 99% accuracy in recognizing Russian license plates and 90% accuracy in recognizing license plates overall. Technologies: Python, PyTorch, OpenCV, Docker + Kubernetes, OpenVINO + Triton Server, Observability (Grafana, Kibana, Prometheus), Git + CI/CD ITMO University January 2020 - December 2020 Python Machine Learning Developer	

End-to-end development of a service for building facade segmentation.

Technologies: Python, TensorFlow + Keras, OpenCV, Docker, Git

SPIIRAS

August 2018 - October 2020

Junior, then Middle Python Machine Learning developer

End-to-end development of a service for recognizing the faces of employees.

Technologies: Python, TensorFlow + Keras, RealSense DepthCamera, OpenCV, Docker, Git

EDUCATION

Higher School of Economics

Applied Mathematics and Information Science.

Moscow, Russia (Remote)

September 2023 - Present

St Petersburg University Academic Gymnasium

Faculty of Physics and Mathematics

Saint-Petersburg, Russia

September 2020 - June 2023