

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.	
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 Observability frameworks: Prometheus, Grafana, Kibana, WandB, ClearML Technical skills: OpenCV, Torchaudio, Docker, Kubernetes, Git, CI/CD, Observability, Linux	
LANGUAGES	Russian (native); English (advanced)	
EMPLOYMENT AND EXPERIENCE	<div><div>MTS AI</div><div>Senior Python Machine Learning Engineer</div><div>June 2022 - Present</div><div>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. Achieved 0.12 p95 latency and 80 RPS on a single 2g.20Gb A100 instance. Technologies: Python, PyTorch, WandB / ClearML, Triton Server, Observability, Docker + Kubernetes, Git + CI/CD</div></div> <div><div>SIRIN</div><div>Middle Python Machine Learning Developer</div><div>March 2021 - January 2022</div><div>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 with 0.5 latency on an 8-core CPU. Technologies: Python, PyTorch, OpenCV, Docker + Kubernetes, OpenVINO + Triton Server, Observability (Grafana, Kibana, Prometheus), Git + CI/CD</div></div> <div><div>ITMO University</div><div>Python Machine Learning Developer</div><div>January 2020 - December 2020</div><div>End-to-end development of a service for building facade segmentation. Technologies: Python, TensorFlow + Keras, OpenCV, Docker, Git</div></div>	

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

Moscow, Russia (Remote)

Applied Mathematics and Information Science.

September 2023 - Present

St Petersburg University Academic Gymnasium

Saint-Petersburg, Russia

Faculty of Physics and Mathematics

September 2020 - June 2023