Vladimir Funtikov

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Education

Peoples' Friendship University of Russia June 2014
Bachelor Degrees in Mathematics

Peoples' Friendship University of Russia June 2016
Master's Degree in Mathematics

Relevant Coursework

Courses: Neural Networks, Python: Basics and application, Machine learning, Programming in C++, Introduction to Programming (C++), Python Programming

Skills

Languages: Python, C/C++, LaTeX, Postgresql, Groovy
Tools: Git/GitHub, Unix Shell, Docker, MLflow

Experience

Medical Neuronets | *Computer Vision Engineer* June 2022 – Present

- Created a microservice for converting annotated medical slides from Qupath into images and masks for training neural network models
- Designed and implemented segmentation and classification models for colorectal cancer detection. Additionally, specialized in optimizing image processing for the neural network, including dividing large images into tiles and reassembling them, carefully managing memory and performance, and preventing artifacts at the seams
- Developed a service for predicting scoliosis using detection models and computational geometry, determining scoliosis by calculating the Cobb angle.

SberDevices | *Software Engineer* November 2019 – July 2022

- Developed and maintained some of Sberbank's most popular voice assistant skills, including onboarding and card balance
- Created a release-independent architecture for the onboarding skill to conduct frequent A/B tests aimed at boosting MAU and DAU

LCT2023 | *Competitor* 2023
3rd place in the task 'Service for predicting maintenance and repair work on urban infrastructure objects'

AI'M FINDER | *Competitor* 2023
2nd place in a hackathon focused on symptom detection in medical records, with a prize fund of 10 million rubles

Health Data Hack | *Competitor* 2022
Took the first place in the 'Team' for the task of 'AI-based pneumonia severity prediction'

IEEE BigData 2020 Cup | *Competitor* 2020
Took first place in the 'Predicting Escalations in Customer Support' task

IEEE BigData 2020 | *Co-authore* 2020
P. Klimov and V. Funtikov, "Predicting escalations in customer support with gradient boosting at the IEEE BigData 2020 Cup," 2020 IEEE International Conference on Big Data (Big Data), Atlanta, GA, USA, 2020, pp. 5527-5532, doi: 10.1109/BigData50022.2020.9377799.