Vladimir Funtikov

 https://github.com/Funtikov-vu vyfuntikov@gmail.com

EDUCATION

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

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

COURSES

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

SKILLS

Languages: Python
Tools: Git, Bash, Docker, MLflow, Apache Kafka, AWS S3, SQL, LaTeX
Frameworks and Libraries: PyTorch, NumPy, pandas, scikit-learn, Matplotlib, Seaborn, Flask

EXPERIENCE

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

- Designed and developed a microservice for converting annotated medical slides from QuPath into image and mask datasets, streamlining the data preparation process for neural network training.
- Developed and optimized segmentation and classification models for colorectal cancer detection, leveraging advanced image preprocessing techniques such as image tiling, artifact-free reassembly, and efficient memory management to enhance model performance on large-scale medical images.
- Designed and implemented a scoliosis prediction service combining detection models and computational geometry techniques to calculate the Cobb angle, ensuring precise and automated diagnostics.

SberDevices | *Software Engineer*   November 2019 – July 2022

- Developed and maintained key voice assistant skills for Sberbank, including onboarding and card balance features, significantly enhancing user engagement and satisfaction.
- Developed a release-independent architecture for the onboarding skill, enabling seamless A/B testing and driving improvements in key engagement metrics such as Monthly Active Users (MAU) and Daily Active Users (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-author*   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.