SERGEY VOLNOV

ML/DL Engineer

CONTACTS

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ABOUT

In high school, I studied algorithms and data structures a lot and even won several All-Russian and one international Olympiad in Informatics. For the last two years I have been engaged in machine learning and neural networks. Currently I am studying at the Higher School of Economics (HSE) in the program of applied Mathematics and Computer Science.

English proficiency: C1 Advanced (IELTS 6.5)

ACHIEVEMENTS

- 2nd place at the all-Russian Machine Learning Championship | 2022
- 1st place on the Digital Breakthrough (Northwest Federal District) | 2022
- 1st place at the Tochka bank hackathon | 2022
- 7th place at the hand-writing text recognition competition | 2022
- Prize-winner at Russian Olympiad in Informatics | 2021, 2022 year
- Bronze medal at International Zhautykov Olympiad in Computer Science | 2021

CONFERENCES

- Speaker at OpenTalksAi | Mar. 2023
- Speaker at NeuroTech | Feb. 2023
- Speaker at EdCrunch Conference | Nov. 2022
- Judge at "Start in Innovation" Conference | May 2022

WORK EXPERIENCE

Middle Data Scientist, Tochka bank | July 2022 - Now

- Working with models for churn rate prediction, tender recommendation, potential clients classification and support QA bot.
- Managed to increase cold calls conversion rate in VED **3 times,** decrease churn rate **from 7% to 5%**.
- Used technlogies: Machine Learning, Time-series, NLP, Uplift Modeling, SQL, Boostings, a/b tests, AirFlow, MLflow.

DL Engineer, Freelance | May 2022 - June 2022

- Developing a system for furniture detection and removal in 3D room scan with subsequent holes repainting.
- Used technologies: Deep Learning, Graph Networks, PyTorch, 3D instance segmentation, Repainting (LAMA), Color mesh optimization, Clusterings.

PROJECTS

DL Engineer & Founder at Fora.Vision | August 2021 - Now

- Working on real-time recognition system for sport exercises.
- Managed to achieve **90% accuracy** and **less than 0.5s ping,** more than **3000 students** satisfied with recognition quality.
- Used technologies: Deep Learning, Computer Vision, PyTorch, ONNX, Docker, Fastapi, Websocket, Asyncio

Face cartoonizing | Nov. 2021 - Dec. 2021

- Telegram bot for generation cartoonized image from faces
- Used technologies: Deep Learning, PyTorch, GAN-based pix2pix models, Face object detection, ONNX, Docker, Telebot, Asyncio

EDUCATION

- Faculty of Computer Science in HSE | 2022-Now
- Deep Learning School (advanced flow) - Deep Learning (PyTorch) | 2021-2022
- Tinkoff ML - Machine Learning | 2021-2022
- Tinkoff Generation (levels B', B and A) - Algorithms and Structures of Data | 2019-2022
- Academy of Artificial Intelligence- Deep Learning (Keras) | 2020-2021

SKILLS

- Languages: Python, C++
- Tehnologies: Docker, Bash, Git, Jira
- Data Bases: SQL, PostgreSQL
- Knowledge: Machine Learning, Deep Learning, Algorithms and Structures of Data, A/B tests, Production Deploy