SERGEY VOLNOV

ML/DL Engineer

CONTACTS

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ABOUT

I am a Machine Learning Engineer with over 3 years of experience in this field and a strong foundation in algorithms and data structures. Additionally, I have experience leading a company as the founder of Fora.Vision, which has allowed me to approach tasks not only from a technical standpoint but also consider their business potential.

English proficiency: C1 Advanced (IELTS 6.5)

ACHIEVEMENTS

- 2nd place at Leaders of Digital Transformation | 2023
- 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 DataDojo | Apr 2023
- 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

Senior Data Scientist, Saola | Nov 2023 - Now

- Leading a team in developing ChrisAi - Ai-driven real-estate agent, who can communicate with the client, guide them through the sales funnel, answer questions about buildings, create personal selections and much more.
- **2x** Lead-to-show-flat conversion rate increase
- **3x** Reduction in customer acquisition cost
- Used technologies: NLP, LLMs, MLOps, RecSys

Middle Data Scientist, Tochka bank| July 2022 - Nov 2023

- Worked with models for churn rate prediction, tender recommendation and VED-potential clients classification.
- Developed ML products and services from scratch to launch in production, such as technical support bot (**decreased mean answering thread time on 25%**) and uplift-modeling for customer churn (uplift at 30% **increased from 1.5% to 3.6%**).
- Used technlogies: Machine Learning, Time-series, NLP, Uplift Modeling, SQL, Boostings, a/b tests, AirFlow, MLflow, Kubernetes

DL Engineer, Freelance | May 2022 - July 2022

- Developed 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.

CTO at Fora.Vision | August 2021 - July 2022

- Worked 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

EDUCATION

- Higher School of Economics, AMI (applied mathematics and informatics) | 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, Kubernetes, Airflow
- Data Bases: SQL, PostgreSQL
- Knowledge: Machine Learning, Deep Learning, NLP, CV, Algorithms and Structures of Data, A/B tests, Production Deploy