Dmitrii **Maksimov**

MACHINE LEARNING ENGINEER · DATA SCIENTIST

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Summary

Data/Software Engineer at fintech company T.C.R. International and Working Student Data Scientist at GFK. Worked as a Data Scientist at the rataling company SDVOR in Moscow. 3+ years of diverse data science experience with specialties in market research, data visualization, market optimization and model deployment. 2+ years of diverse data/software engineering experience with specialties in pipelines integration using Airflow, architecure design using AWS, database maintenance and deployment using docker.

In addition, while studying at the university and various courses(e.g. MADE from VK), I learned many skills like: **NLP, LLM, Deep Learning, Computer Vision, Pytorch, Transformers, Huggingface, PyTorch Lightning, Optimization, Spark, Hadoop, Scala, Recommender Systems, kubernetes, mlflow, algorithms, A/B testing and data structures**.

Love to share knowledge with different communities. Interested in devising a better problem-solving method for various tasks and learning new technologies and tools.

Skills

MLOps	AWS, Docker, GitHub, Retool, Linux, Bash, REST API, Google Cloud, CI/CD
ML	Machine Learning, Statistical Data Analysis, Data Visualization, Probability Theory, ETL, Vertica, Search Engine Optimization, PostgreSQL, Market Research, Parsing, Streamlit
Programming	Python, SQL, SAS base, LaTeX
Languages	Russian, English, German

Work Experience

GFK *Nuremberg, Germany*
MLOPS & WORK STUDY *Apr. 2023 - Present*
- Migrated a Deep Learning model to Vertex AI on Google Cloud
- Maintained the CI/CD pipeline
- Stack: **Python, Google Cloud Platform, Vertex AI, Streamlit, CI/CD**

T.C.R. International *Cyprus*
DATA/SOFTWARE ENGINEER *Sep. 2021 - Present*
- Developed and maintained processes for financial systems, with 90% of the processes developed with my active participation
- Optimized airflow dags which allowed reducing the cost of the astronomer by 70%
- Investigated strategies and solutions to reduce AWS infrastructure costs, optimizing resource allocation and usage
- Maintained the infrastructure, specifically working with AWS S3 and RDS
- Developed several AWS Lambda functions for automation and streamlined processing
- Created a Deep Learning trading algorithm to optimize trading strategies and predict market movements
- Implemented processes for maintaining an extensive internal symbology database consisting of over 30,000 symbols
- Stack: **Python, AWS (S3, RDS, Lambda), Airflow, PostgreSQL, Retool, REST API, Docker**

GFK *Nuremberg, Germany*
DATA SCIENTIST & WORK STUDY *Apr. 2022 - Apr. 2023*
- Creating a tool to compare segmentations and their impact on the market
- Developing a method to detect AoI(areas of interests)
- Investigating cannibalisation effects
- Evaluating competitors algorithm
- Stack: **Python, Google Cloud Platform, Streamlit, PostgreSQL**

SDVOR *Moscow, Russia*
DATA SCIENTIST *Apr. 2020 - Jan. 2022*
- Creating an attribution model in advertising for SDVOR site using Markov chain as a result advertising costs decreased by 5%
- Programming ETL workflows for competitors site's parsing
- Building service to optimize price for sales using SAS, python, SQL, which increased the profit on some products by 10%
- Accomplishing computer vision model to compare planorgam and realogram via photo in a shop
- Creating telegram-bot as a server for different tasks
- Stack: **Python, SAS, Vertica, PostgreSQL, Telegram API**

Education

FAU(Friedrich-Alexander-Universität Erlangen-Nürnberg)   *Erlangen-Nürnberg, Germany*

M.S. IN DATA SCIENCE   *Oct. 2021 - Present*

BMSTU(Bauman Moscow State Technical University)   *Moscow, Russia*

M.S. IN COMPUTER SCIENCE AND ENGINEERING   *Sep. 2020 - Jun. 2021*

- Finished 1 semester

BMSTU(Bauman Moscow State Technical University)   *Moscow, Russia*

B.S. IN COMPUTER SCIENCE AND ENGINEERING   *Sep. 2016 - Jun. 2020*

- GPA - 4.42, max - 5.0

Extracurricular Activity

MADE at VK   *Moscow, Russia*

STUDENT   *Sep. 2022 - Jun. 2023*

- Gained expertise in different areas of ML (e.g. NLP, DL, Computer Vision, MLOps, basic ML, Python, ML in BigData, etc)
- Core member in a project to create a recommendation system for articles' authors
- Core member in a project to create a User Request-Based Fake Web Document Text Generation system

ML at Mail.ru Group   *Moscow, Russia*

STUDENT   *Sep. 2020 - Jan. 2021*

- Gained knowledge in basic ML

Certificates

Jun. 2023	**MADE Big Data Academy. Machine Learning Engineer**, VK	*405-67419*
Oct. 2022	**Completion of the Deep Learning Exercise**, FAU	
Mar. 2020	**Labeled data learning**, Coursera	
Mar. 2020	**Math and Python for data analysis**, Coursera	
2019	**C/C++**, Mail.ru Group	

Honors & Awards

INTERNATIONAL AWARDS

Jan. 2023	**8th Place**, Tensor Tournament	*Erlangen, Germany*
Oct. 2022	**2nd Place**, Classification of Solar Cell Defects	*Erlangen, Germany*

DOMESTIC AWARDS

2021	**1st Place**, SDVOR Hacking Competition	*Tyumen, Russia*