

ARTEM MERINOV

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ACADEMIC BACKGROUND

UniBZ, *PhD in Computer Science*

2024 – Present

- Conduct research on continuous 3D representation of CT scans using neural networks and 3D Gaussian splatting
- Conduct research on anomaly detection in volumetric CT data, with a focus on semi-supervised approaches.
- Assist in teaching the Deep Learning course (2025/26)

UniBZ, *MSc in Computational Data Science*

2022 – 2024

- GPA 110 cum laude.
- Conducted research on deep learning for video understanding from egocentric perspective. [Achieved](#) the 1st rank on the HoloAssist fine-grained action recognition challenge using the Gate-Shift Fuse Network at the EgoVis workshop, CVPR 2024.

MIPT, *MSc in Applied Mathematics and Physics*

2016 – 2018

- GPA 4.6/5.0.
- Awarded an enhanced state scholarship in recognition of academic achievements.

MIPT, *BSc in Applied Mathematics and Physics*

2012 – 2016

- GPA 4.6/5.0.

WORK EXPERIENCE

ML Engineer @ Wrike | *collaborative work management platform*

Jul. 2021 – Oct. 2021

- Worked on building a monitoring system to detect data drift using statistical tests.
- Constructed a pipeline to improve the default search engine for user queries on the Wrike platform, incorporating machine learning techniques.

Data Scientist @ Motify | *health/fitness startup*

Mar. 2020 – Jun. 2021

- Developed a model for overbooking to estimate the expected number of trainers required for each time slot in online training sessions.
- Analysed user clickstream data within the application to study customer usage patterns and evaluate how particular behavior influences conversion rates, retention, and revenue.
- Developed a model to recommend relevant video programmes using learning-to-rank algorithm.

Data Scientist @ Megafon | *telecommunication company*

Oct. 2017 – Mar. 2020

- Conducted research on customer mobility patterns aiming to identify potential locations for the construction of new cell towers. Visualized the results on a map and provided interpretations.
- Developed a model for prioritizing cell tower repairs by forecasting expected traffic loss using the Prophet algorithm and considering the coverage overlap of neighboring cell towers.

TECHNICAL SKILLS

Programming: python, R, SQL

Libraries: numpy, scipy, polars, scikit-learn, lightgbm, networkx, pytorch, wandb

Technologies: linux, jupyter, git, $\LaTeX$, slurm

SELECTED KAGGLE COMPETITIONS

OTTO - Multi-Objective Recommender System | 88/2587 – top 4% *Feb. 2023*

Keys: next action prediction, e-commerce sessions data

Solution: GBDTs, frequent itemset mining, sequential mining

H&M Personalized Fashion Recommendations | 38/2952 – top 2% *May 2022*

Keys: items recommendation, retail and shopping

Solution: GBDTs, candidates generation

Riiid AIEd Challenge 2020 | 97/3395 – top 3% *Jan. 2021*

Keys: classification, knowledge tracing, tabular data (100M+ rows), stream data API

Solution: GBDTs, attention mechanism, rolling features

Predict Lung Function Decline | 74/2097 – top 4% *Oct. 2020*

Keys: forecasting, uncertainty estimation, medical data

Solution: ridge regression, data sampling for uncertainty estimation

Predicting Molecular Properties | 83/2749 – top 4% *Aug. 2019*

Keys: regression, xyz graph data, chemistry

Solution: multi-head MLP, graph-based features

Google Analytics Customer Revenue Prediction | 88/3611 – top 3% *Feb. 2019*

Keys: time-series forecasting, tabular data, analytics, causality

Solution: FProphet, Markov state-transition matrix, exponential smoothing

Elo Merchant Category Recommendation | 39/4128 – top 1% *Feb. 2019*

Keys: regression, banking

Solution: GBDTs, outlier detection

SCIENTIFIC SCHOOLS

ACDL 2025 *2025 / Grosseto, Italy*

ELIAS-ELLIS-VISMAL Winter School 2025 *2025 / Brunico, Italy*