

# ILYA VESELOV

Bachelor's student at the Faculty of Computer Science,  
National Research University Higher School of Economics

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https://github.com/ilyhav

## EDUCATION

National Research University Higher School of Economics  
Applied Mathematics and Computer Science

September 2021 – July 2025    Moscow, Russia

## EXPERIENCE

Junior ML Engineer — Personalization Grocery  
T-Bank, Center for AI Technologies

June 2024 – Present    Moscow, Russia

- Built the data foundation for a second/level reranker: event and order logs aggregation, feature design, daily pipelines in Airflow.
- Upgraded “Similar items” via image/text embeddings: evaluated CLIP/compatible encoders for images and stronger text embeddings; blended signals and launched online A/B tests.
- Reduced memory footprint and stabilized the online recommender by pruning rare items in EASE and refactoring loading routines.
- Authored an Airflow operator for automated housekeeping in S3; improved DAG reliability and reduced manual maintenance.
- Developed and shipped the L2 reranker (LightGBM) for both new and returning users; integrated the content transformer score as a feature; validated with A/B tests.
- Ran uplift/modeling experiments for ranking strategy; iterated to a safer online policy; prepared subsequent experiments.

## PROJECTS

Sentiment Analysis and ABSA  
Smart Predictive Technologies

December 2023 – May 2024    Moscow, Russia

- Developed models for sentiment and aspect/based analysis; improved accuracy and efficiency through fine/tuning.
- Built an automated pipeline for preprocessing and labeling text data for training and evaluation.
- Using Python, PyTorch, NLP libraries.

Face Type Recognition  
Higher School of Economics

June 2022 – July 2022    Moscow, Russia

- Collected, analyzed and processed data; trained a simple classifier.
- Applied data augmentation techniques to improve model robustness on limited datasets.
- Using Python, Jupyter Notebook, NumPy, Pandas, Seaborn, Matplotlib, Scikit/learn.

## MY LIFE PHILOSOPHY

“I know only one great goal. It's the happiness of people!”

## HARDSKILLS

Languages

Python C++ C Assembler

Databases

PostgreSQL SQLite ClickHouse Greenplum

Data Science, ML and DL

Pandas NumPy SciPy Scikit/learn  
PyTorch LightGBM Polars Matplotlib  
Seaborn Jupyter

Orchestration & Ops

Airflow Docker git GitLab GitHub

Data & Cloud

S3 boto3 Parquet

Layout

LaTeX Markdown

Development Tools – IDE

PyCharm CLion Visual Studio

## LANGUAGES

Russian ● ● ● ● ●

English ● ● ● ● ●

## SOFTSKILLS

Responsibility Organization  
Flexibility Multitasking  
Learning potential Teamwork