



Pavel Krivitsky

Data Science | Machine Learning

Contact

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Education

Belarusian State University of Informatics and Radioelectronics

July 2022 - June 2026

GPA: 8.0/10; Course: 3rd year student

Key courses: Fundamentals of Algorithmization and Programming, Mathematical Analysis, Fundamentals of Functional Analysis and Function Theory, Probability theory and mathematical statistics

Skills

• HARD SKILLS

- Python - ML, PyTorch, TensorFlow, Keras, Scikit-learn, CV, CNN
- Data Analysis - Pandas, NumPy, SciPy
- Data Visualization - Matplotlib, Seaborn
- Jupyter Notebook, Google Colab, VS Code

• MATHEMATICS

- Linear algebra
- Mathematical analysis
- Probability theory
- Discrete mathematics

• GIT, GITHUB, GITLAB

• MYSQL, POSTGRESQL, SQLITE

• SOFT SKILLS

- Communication
- Problem Solving
- Easy to learn
- Stress-resistant
- Time management

• LANGUAGES

- English (B1)
- Russian (native)
- Belarussian (native)

About Me

My studies in machine learning and specialized courses have provided me with practical experience in data processing, analysis, and algorithm development. By participating in ML competitions, I have applied theoretical knowledge in practice, mastered modern tools such as neural networks and deep learning techniques, and learned how to fine-tune models to address real-world challenges. As an aspiring ML engineer, I am committed to continuous improvement, experimenting with innovative approaches, and seeking optimal solutions to enhance the accuracy and performance of the models I develop.

Experience

• Deep Learning School 2024

Educational course about Deep Learning of FAMCS MIPT

• Participation in Kaggle tournaments

• PET-projects on GitHub

Most Interesting of them:

• Game of thrones prediction

- Pandas, NumPy, Matplotlib, Seaborn
- Developed a machine learning model to predict the appearance of a character in future Game of Thrones installments based on previous ones.
- Utilized classification algorithms with feature engineering, outlier removal, and hyperparameter tuning, evaluating model performance using metrics such as F1-score and ROC-AUC.

• Skin Condition Segmentation

- Python, PyTorch, U-Net, SegNet
- Developed a deep learning pipeline for skins condition segmentation using medical imaging dataset
- Implemented and optimized U-Net and SegNet architectures, applying data augmentation and loss function tuning to improve segmentation accuracy

• Face Recognition

- Python, PyTorch, CNN
- Developed a deep learning pipeline for face classification using the celebA-500 dataset
- Modified the ResNet architecture for face recognition by incorporating Dropout and Batch Normalization layers and integrating embeddings to identify similar faces.

• Books

Deep learning with PyTorch
Grokking Deep Learning