Vladislav Malkov

Curriculum Vitae

✉ vvmalkov@edu.hse.ru

Education

2019–	**Bachelor degree**, GPA: 7.14, Higher School of Economics, Moscow, Russia.
	○ Faculty of Computer Science, Applied Mathematics and Informatics.
2008 −2019	**School**, Educational complex of the author's physics and mathematics school lyceum №61, Bishkek, Kyrgyzstan.

Work experience

April 2022 – July 2022	**Higher School of Economics University**, teacher assistant in Introduction to Data Science.
	○ prepare seminars materials and home works, check students' works, answer both theoretical and practical machine learning, programming questions, which help students more efficiently assimilate information.
August 2022	**- PJSC Sberbank**, intern data engineer programmer.
	○ Work with hadoop, pyspark

Github

○ https://github.com/vladislareon

Hard skills and Research Interests

○ **Machine learning and data analysis**
Numpy, Matplotlib, Sklearn, Xgboost, Catboost, Seaborn
Classic methods of Machine Learning

○ **Deep learning basis**
Pytorch

○ **Computer vision**
Torchvision

○ **NLP**
Transformers, Gensim Word2Vec

○ **Programming**
Python, C/C++

○ **Backend**
Flask

○ **Higher mathematics**
Calculus, Probability theory, Differential equations, Linear algebra

○ **Bioinformatics**

- **Computer Architecture and Operating Systems**
  Linux
- **Latex**
- **Technical English**

Course Projects

- **Predicting Hotel User Evaluation of Recall Text**
- **ECG-based heart disease detection system**
- **Anime data analysis and visualization**
- **Exploratory Data Analysis and prediction of Taxi Time in New York**
- **A neural network for the regression task of predicting the song's release year**
- **Image classifier with CNN**
- **Search and study of genome regions where a certain histone tag is present at ZDNA sites with using convolutional neural network**
- **Decryption of audio recordings, classification a set of 1 second lengths for three words**
- **Heart attack statistics**

Knowledge and ability to use classical machine learning algorithms and metrics. Data manipulation and analysis in Python
Experience in the preparation of data and using Machine Learning Algorithms in university projects.
Knowledge of deep learning, work with convolutional neural network, transformers.
An advanced level of knowledge of the structure of the Python language, object-oriented programming, and the use of data processing libraries (numpy, pandas and matplotlib) for solving various types of problems. Working with the flask framework.
Basic knowledge and skills of using SQL to work with databases.
Also familiar with programming languages such as C (basic) and C ++ (advanced)

Related Courses

- Machine learning
- Introduction to deep learning
- Basic methods of data analysis
- Digital processing of bioelectric signals
- Bioinformatics
- Algorithms and data structures
- English conversation courses
- IELTS courses

Languages

- **Russian**
  Native speaker
- **English**
  Intermediate

Interests

- **Sport**
  Swimming