Vladislav Malkov

Curriculum Vitae

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Education

2019– **Bachelor degree**, GPA: 8.48, 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.

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
- **Work with databases**
  SQL, Pandas
- **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
Knowledge of deep learning, work with convolutional neural network.
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)

Work experience

Using machine Learning Algorithms in university projects.
A neural network for the regression task of predicting the song's release year, image classifier with CNN.
Collecting data using BeautifulSoup, Pandas and visualization using seaborn.
Within the framework of the educational software project, I am developing a web service for working with clients, searching for methods for collecting data from various ECG results (the specifics of this educational project) and their subsequent processing.
Write a Telegram-survey bot for collecting sociological research data (+ uploading respondents' answers to a csv file)
Prediction of Taxi Time in New York

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