ARSENIY BELKOV

GENERAL INFORMATION & MOTIVATION

Currently studying machine learning engineer / data scientist.
Interested in ML applications in medicine, recommender systems and self-driving cars.
I have a great desire to start participating in large projects. I am fascinated by what can be done using machine learning and there is great motivation to study this sphere further.

CONTACTS

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@Ars235

SKILLS

Machine Learning, **Computer Vision**, **NLP**

Programming
Python
C

Frameworks & Tools
PyTorch
NumPy
matplotlib, seaborn
Jupyter Notebook, Google Colab
Git, GitHub

Operating Systems
Windows
Linux

Languages
English - intermediate
Russian - native

COURSES & CERTIFICATES

- **TechnoTrack by mail.ru & MIPT**
- **Machine Learning by Stanford & Coursera**
- **Deep Learning by deeplearning.ai & Coursera**
- **Regularization and optimization of neural nets by deeplearning.ai & Coursera**
- **Structuring machine learning projects by deeplearning.ai & Coursera**

PROJECTS

Evaluation of the height of cloud base with ML methods

The problem is to evaluate the Height of Cloud Base, using methods of Machine Learning.
Data: pairs of pictures of sky taken from earth labeled with cloud base height.
As a proposed solution we used SuperGlue model to find connection features between two pictures. Then using these features, linear regression model was trained to calculate the height.
The project was given by Mikhail Krinitskiy (*RG link*).

Ars235/Determining_HOCB

Implementation of Adversarially Learned One-Class Classifier for Novelty Detection

Implementation and training results of the model for outlier detection from *CVPR2018 paper*.

Ars235/Novelty_Detection

EDUCATION

Sept. 2019 - Present
Moscow Institute of Physics and Technology
Dolgoprudniy, Russia

Bachelor of Applied Math and Physics