Nadezda Kasimova

Personal Data

Place and date of birth: Mytischi, Russia | 2 December, 1997
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Education

July 2019 Bachelor in Computer Science, **Moscow Institute of Physics and Technology**

Departmennt: Innovation and High Technology
Program: Applied Math and Computer Science
Major: Computer Science
Thesis: Detecting outliers in the time series
Supervisor: Prof. Alexander Dainiak
Courses: Algorithms and Data Structures, Machine learning (in particularly Deep and Reinforcement learning), Discrete Math, Linear Algebra, Probability Theory, Mathematical Statistics, Stochastic Processes, Mathematical Analysis.

Summer 2018 Speech Technology Center ML School

Deep learning methods for analyzing sound, images, and audiovisual emotion recognition, such as objectives of the analysis of the audio data, methods of speech feature extraction, fuzzing multimodal data, classification algorithms, application of transfer learning for multimodal emotion recognition in natural conditions.

Summer 2018 Math and Python for Data Analysis, MIPT & Yandex, Coursera

Math and Python libraries needed for Data Analysis.

Summer 2018 Supervized Learning, MIPT & Yandex, Coursera

The most popular algorithms of Supervised Learning such as linear regression, decision trees, gradient boosting and neural networks with their applications in different classification and regression problems.

Work experience

Business Digitalization Laboratory, 2018 - now

Working at the problem of detecting outliers in the time series, using forecasting algorithms, neural networks and other machine learning methods.

ABBY LINGVO, 2015-2016

Testing of ontological research.

Sphere of education, 2016 – now:

Tutoring in olympiad mathematics and informatics, preparation for the passing of school exams.

Projects:

Audio sound classifier, github.com/nkasimova/Acoustic-Events-Classifier

Classification of acoustic events using librosa library for mel-frequency cepstral coefficients (mfcc) extraction and neural network, Python.

Splash Geometry, github.com/nkasimova/SplashGeom

Library for solving various geometric problems: finding the intersection point of segments and circles, constructing a convex hull (Jarvis algorithm), constructing a Voronoi diagram, C++.

Skills:

Programming Languages: Python, C++/C
Data Science: numpy, pandas, sklearn, experience in kaggle (in-class) competitions
Big data: classroom experience with HDFS, HIVE, Map Reduce (nkasimova/Multiprocessor-Computing-Systems)
General: knowledge of OS (Windows, Linux)
Languages: English – upper-intermediate, Français – Niveau survie, Russian – native speaker,