Alexey Popov   Data Scientist

Location: Moscow, Russia

Date of birth: **03-01-1992**

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Novice data scientist with good background in mathematics and physics. Experienced in microscopy and analytical equipment at one time. Aspiring to be full-time data scientist.

SKILLS

Programming: Python, SQL, Linux \ bash, Git, C, Assembler

Tools: numpy, pandas, matplotlib, seaborn, sklearn, BigARTM, xgboost, Pytorch

EDUCATION

Coursera's specialization "Machine learning and Data Analysis" by MIPT & Yandex   **2020 - 2021**
Course 1 "Mathematics and Python for Data Analysis": Python basics; numpy, scipy, pandas, matplotlib. Mathematical analysis, linear algebra, probability theory, statistics basics. Optimization methods: SGD.
Course 2 "Supervised Learning": Scikit-learn, Linear regression, binary classification, SVM Regularizers, grid search of hyper parameters, metrics: MSE, roc-auc etc. Maximum likelihood estimation. Random forest, gradient boosting. Neural networks basics.
Course 3 "Search of Structure in Data": Clusterization methods: K-Means, EM, dbscan. Dimensionality reduction: SVD, PCA, t-SNE.
Course 4 "Drawing Inferences from Data": A/B testing, confident intervals, test statistics.
Course 5 "Applied Tasks in Data Analysis": Time series forecast, Introduction to computer vision, Sentiment analysis, Recommendation systems.

Course «SQL Basics» on Stepik   **2021**
SELECT, JOIN, window functions

Moscow Institute of Physics and Technology (MIPT)   **2012 - 2014**
M. Sc. in Applied Physics and Mathematics

Moscow Institute of Physics and Technology (MIPT)   **2008 - 2012**
B. Sc. in Applied Physics and Mathematics

PROJECTS

Coursera Capstone Project *"User's Identification"*
Identification of user by browser history. Creating "bag of words" from sites, construction of additional features and analysis, model selection, creating pipeline.
https://github.com/lonelits/user_ident

EXPERIENCE

Ostec group (Ostec-ArtTool Ltd.)   **2017 - 2020**
Senior service-engineer
Installation, service and techsupport of 10 different types ofmeasuring equipment (microscopes, spectroscopes, SEM, interferometers).

NT-MDT group   **2012 - 2017**
Service-engineer
Installation and service of probe microscopes. Testing of software and hardware (searching for errors in measuring algorithms). R&D of measurement methods.

ADDITIONAL

Language Skills: English Upper-intermediate
Hobby: Investments and trading