Vladislav Ryzhov

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Moscow, Russia

EXPERIENCE

- **Schlumberger Moscow Research**
  Data Scientist
  Developed neural networks for predicting multi-phase fluid flow parameters from acoustic noise measurements (time series). Solved regression and classification problems.
  April 2021 - July 2022

COMPETITIONS

- **Institute of Oceanology (RAS/MSU), Hackathon, 1 place**
  Python programmer , ML researcher - Moscow, Russia
  The flow of short-wave solar radiation on the ocean surface was approximated from photographs of clouds (according to their statistics).

- **Hackathon Digital Breakthrough, 2 place**
  Python programmer , ML researcher - Kazan, Russia
  Was team lead of university team, developed service for detecting defects in railway tracks according to data from sensors of mobile devices, including classification model and mobile app.

- **KROK, Industrial Hackathon PROHACK, 3 place**
  Python programmer , ML researcher - Moscow, Russia
  We created MVP - app to tracking defects in TWIX minis bars.

- **ROSNEFT, Hackathon of Universities, 4 place**
  Python programmer , ML researcher - Moscow, Russia
  Clustering and regression problem on time series data (logging of wells).

EDUCATION

- **B.S Applied Computer Science, GPA: 4.95 / 5.0**
  Russian State Geological Prospecting University
  Bachelor thesis: Development of neural networks for prediction of multi-phase fluid flow parameters from acoustic noise measurements. link
  Aug. 2018 - June 2022

- **Summer Intership, Skoltech**
  Was engaged in theoretical modeling of the effective thermal conductivity of reservoir rocks on the basis of Skoltech Hydrocarbon Production Center.

- **Languages**
  English (B2+), Kazakh (A2), Deutsch (A1), Russian native.

CERTIFICATES

- **Professional Certification TensorFlow Developer**
  link
  Laurence Moroney Lead AI Advocate Google, Andrew Ng DeepLearning.ai

- **Deep Learning Specialization**
  link
  Adjunct Professor Andrew Ng, DeepLearning.ai

- **Generative Adversarial Networks (GANs) Specialization**
  link
  Sharon Zhou, DeepLearning.ai

SKILLS

- **Technologies**
  Python, basic SQL, basic MongoDB

- **Machine Learning Stack**
  Scikit-learn, LightGBM, XGBoost, Numpy, Matplotlib, Plotly, Scipy, Pandas, Librosa, etc

- **Deep Learning Stack**
  TensorFlow, Keras, PyTorch

RESEARCHES

- **Seismic Horizons Detection via CNN**
  link
  Research paper about Seismic horizons segmentation by Convolution Neural Network (CNN) on slices of the seismic cube.
  Python, PyTorch

- **Neural Network to Forecasting Earthquakes by Time Series of Seismic Data**
  link
  Research paper about seismic time series forecasting by combined Neural Network. My method was approved on Kamchatka and Komandor islands data.
  Python, TensorFlow , Keras

- **Facies Classification Using Various Machine Learning Methods**
  link
  Research about well facies classification by using various machine learning methods on time series data. Feature variables include five from wireline log measurements and two geologic constraining variables that are derived from geologic knowledge.
  Python, Scikit-learn, PyTorch

- **Sunspot Activity Prediction**
  Pet - project about sunspots activity prediction by various DL methods for time series forecasting.
  Python, Tensorflow, Keras

OTHER HIGHLIGHTS

- **Letter of Thanks from University**
  Received letter for active participation in the public life of the university and successful implementation of youth innovation projects.

- **Robotics**
  Robotics course certificate, School International Conference project Smart Greenhouse (1 place).

HOBBIES & INTERESTS

| Mathematics | Sport | Time Series | ML/DL |