Ivan Lukyanenko

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Curriculum Vitae *telegram:* @lukyanenko_ivan *github:* github.com/IvanLukianenko

ABOUT ME

I am 4th grade MIPT student, interested in research in Deep Learning (**NLP**, **CV**, **TSA**), especially in **NLP**. I am student of Phystech School of Applied Mathematics and Computer Science, Department of Intelligent Systems, Intellectual Data Analysis, GPA: 7.5 / 10 (4.5 / 5). Also I am student of extra professional program in Data Science **AI Masters**.

WORK EXPERIENCE

- Autumn 2021 - Winter 2022: **Forecsys**, **Data Scientist**.
  I was working on the project of **company sales forecasting**. My responsibilities included **researching forecasting models for time-series**, **data processing** and **building model** in final product. Baseline with 20% MAPE was improved to 6% MAPE. My models went to the final product. Took part in developing final product.

- Spring 2022 - Summer 2022: **ScolTech**, **Intern Researcher**.
  I was working on the project about analysing financial risk caused by climatic events. In particular, i was working on the Hail risk assessment problem. I have been researching the physical aspects of events, selecting climatic variables. I built different models based on classical ML approaches and deep learning approaches. I used hierarchical forecasting with **CatBoost** and **CNN-LSTM** neural network. **Preprint of corresponding paper**

- Autumn 2022 - Now: **Forecsys**, **Data Scientist**.
  I am working on the project of **Fraud detection** in insurance. My responsibilities include **researching unsupervised graph clustering methods, data mining, data processing**, **build full ML/Math pipeline of antifraud model**. Suggested some new methods of clustering graphs as an objects.

PROJECTS

- Now: **Manipulation Detection**:
  We are researching how to use BERT-based STR-encoder to solve both tasks NER (Manipulation Detection) and RE (Connection between manipulation and named entity). Using shared blackbone to increase quality of specific connected tasks.

SKILLS

Math/CS	Mathematical analysis, Linear algebra, Optimization, Probability theory, Statistics, Algorithms and data structures
Programming	Python, PyTorch, NumPy, Scikit-Learn, XGB, CatBoost, matplotlib and etc. SQL, Docker.
ML/DL	NLP, Time-Series, CV, GraphML
Languages	Russian (Native), English (Upper-Intermediate), German(A1+)

ADDITIONAL EDUCATION

AI Masters, 1st grade
Math and Python for Data Analysis, Coursera
Supervised Learning, Coursera
Finding Structures in data, Coursera

Applied problems of data analysis, Coursera
Discrete Optimization, Coursera
Diving in Python, Coursera
Drawling inferences from data, Coursera