

Vagiz Daudov

Data Scientist



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About Me



Hello! My name is Vagiz, I am Applied Math & Programming student, from HSE SpB.

Favourites: `coding`, `fingerstyle`, `calisthenics`, and `ML`.

Work Experience

Devim

August 2022 - Current Time

DS specialist in fintech company [Devim](#). Here are some tasks I've completed:

- [Sampling algorithm](#). The algorithm is designed specifically for certain problem - to sample dataset of issued credits such that its distribution is similar to the TTD dataset.
- Build data pipelines using Airflow.
- Compared ML algorithms using business metrics.
- Analysis of fraud cases.
- Various scripting/parsing python tasks.
- Other data engineering.

Skills and Knowledge

- Classic ML algorithms (classification, regression, clustering) and their mathematical motivation.
- Deep Learning algorithms (Artificial NN, CNN, RNN) and their mathematical motivation.
- Data Engineering (basic Airflow, MySQL, Postgres, Clickhouse).
- Python, C++.
- Git.
- Libraries toolkit: numpy, polars, seaborn, matplotlib, sklearn, tensorflow.

Data Science projects

credits

Annotation

Analysis of credits dataset with visualizations, explanations, and machine learning estimators testing.

Credits are the main power of bank systems. Being able to separate potential overdues from disciplined returns is a crucial classification task. It is the most complicated and unusual test task which I completed as a first-step competition for a job position. Used tools: `LogisticRegression`, `RandomForestClassifier`, `CatBoostClassifier` estimators from `scikit-learn` and `catboost` Machine Learning libraries; `matplotlib` and `seaborn` libraries for data visualizations; `pandas` and `numpy` for data manipulation.

heart disease

Annotation

EDA of heart disease Kaggle dataset.

The classification task related to identification of patients with heart diseases. High level of accuracy can save people's lives. Used tools: `LogisticRegression`, `KNeighborsClassifier`, `RandomForestClassifier` from `scikit-learn`, `matplotlib`, `pandas`, `numpy`, and `seaborn`.

Programming projects

chrome-extension (JS, python)

Repo

Chrome extension for learning languages.

Extension for Chrome users for instant translation during web-surfing. Unknown words are automatically added to training session conducted in Telegram bot.

students rating (python)

Repo

Browser automation.

`Selenium` is the main tool used in this project. Chrome automation with `chromedriver` and html parsing with `BeautifulSoup` allow retrieving data from my University website (for privacy purposes names and links are removed from code). `matplotlib` and `seaborn` libraries visualize statistical data about student ratings.

console game (C++)

Game repo

C++ project for practicing with `.dll` and `boost` library - tic-tac-toe game.

Education

HSE Saint-Petersburg

Applied Mathematics and Informatics, AADA1

2022 - 2026

For me, courses are not easy and depth of knowledge in math and programming is tremendous. Education here makes me really happy.

Courses

There are certificates of courses which I have completed to diverse my knowledge:

Probability Theory

Basic C++

Neural Networks

Other proficiencies

Alongside with Univesity studies and self-development I have the following skills and certificates:

- IELTS 7.5 - C1 level of English.
- French B1.
- Waterpolo Candidate in Master of sports.

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