

# Aleksandra Selezneva

DATA SCIENTIST / DATA ANALYST

## Employment History

### Data Scientist, Lime Credit Group, Russia (Remote)

SEPTEMBER 2021 — PRESENT

- Identified around 8% of pre-approved loan applications as potentially fraudulent by introducing a new anti-fraud model;
- Decreased the amount of non-performing loans by 2% by introducing a clustering model which chooses the most optimal way to repay their loan;
- Increased the profitability by 1.5% by splitting up a credit scoring model into 2 based on an AUC metric performance difference of 5%;
- Created visualizations and statistical analyses to prove product hypotheses and identify new dependencies in data.

Libs: sklearn, catboost, lightgbm, xgboost, shap, boruta, umap, psycopg2

### Junior Data Scientist , Center of Financial Technologies, Russia

SEPTEMBER 2020 — JUNE 2021

- Decreased the amount of non-performing loans by 1.7% by introducing an NLP model using CNN and RNN;
- Developed an MVP for an NLP model predicting the sentiment of text and audio reviews on banks and mobile operators.

Libs: sklearn, keras, torch, gensim, kaldi-vosk, pymorphy2, flask

## Education

### Data Science, Yandex School of Data Analysis, Russia (Remote)

SEPTEMBER 2020 — PRESENT

Master's-level program offered by Yandex and JetBrains and attended by software engineers from top Russian companies.

Relevant coursework: Algorithms and Data Structures, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Reinforcement Learning.

### BSc Economics, Novosibirsk State University, Russia

SEPTEMBER 2016 — JUNE 2020

Successfully defended Bachelor Thesis with focus on Workforce productivity in Russian regions and industries. Participated in case competitions. Volunteered as a Math teacher in NSU Summer School.

## Details

Amsterdam, Netherlands

Open to relocation

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[a.selezneva@hotmail.com](mailto:a.selezneva@hotmail.com)

## Links

[GitHub](#)

[LinkedIn](#)

## Skills

Python, R, SQL

PyCharm, Jupyter Notebook

Linux, Git, Docker, DVC

Jira, Confluence

Data Processing and Analytics  
(numpy, pandas, scipy)

Data Vizualization (seaborn,  
matplotlib, dash, plotly)

Credit Scoring

A/B testing

Math Statistics, Probability  
Theory, Econometrics (with  
Time Series and Panel Data)

## Languages

English - Fluent

Russian - Native