

Elizabet Podkaminer

Data Scientist, B.S. in Math, M.S. Software Engineer student
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Summary

Data Scientist with B.Sc in Applied Mathematics and Computer Science. Strong analytical skills, high level of self-organization and ability to adapt. Repatriate alone from Russia in 2020. Graduated from [YDATA](#) courses for Data scientists. Had an industrial project with [Docktech](#) (Noise filtering). Studying for a master's degree in Software Engineering at Shamoon College of Engineering. Taking part in science work (NLP task). Finishing [Yandex](#) internship as developer in NLP team, took part in [YandexGPT](#) developing.

Experience / Projects

02/2023 – 08/2023: Internship at Yandex, NLP Service team

- Created datasets that are used in Yandex language models, including YandexGPT.
- A dataset has been developed to test models for the possibility of using external information.
- Main languages and libraries: Python, YQL (SQL), YT (table manager), Arc (Git).

01/2022 - 07/2022: Y-Data industry project, collaboration with Docktech

- Finding optimal noise groups in labeled data by elbow method.
- Use PCA for dividing noise in groups by calculated features.
- Implementing deep learning models for finding noise based on features that were found.

02/2022 - Now: Research work in Shamoon College of Engineering

- Implement method for automatic summarization based on distribution function.
- Create weights for words based on topic of texts.
- Develop influence of weights on quality of summarization.

02/2022 - 07/2022: University projects in M.Sc

- Software Project Management Plan creation project.
- Age prediction from handwritten document images (using CNN models) project.

01/2018 - 07/2020: University projects in B.Sc

- Solving Cauchy problem on python by Runge-Kutta method project.
- Formation of stock portfolio using Markowitz method project.
- Investigation of the structure of signals and noise using the Fourier and Wavelet transforms project.

Skills

Programming languages: Python, SQL, Java, MATLAB, C#.

Data Science skills: Statistical Analysis, Hypothesis Testing, Data Exploration, Data Preprocessing, ML Modeling, Model Evaluation, Feature Engineering / Extraction, Hyperparameter Optimization, Data Visualization, Ensemble Learning techniques, CNN architectures, Time-series analysis, Signal processing, Algorithms, Game theory.

Python: NumPy, SciPy, Pandas, Scikit-learn, CatBoost, XGBoost, PyTorch, Matplotlib, Seaborn, BERT.

Tools: Jupyter Notebook, Google Colab, MatLab, Datasphere, MathCad, Wolfram alpha, Visual Studio, Git.

Education

2021 - 2022: Data Scientist, Y-DATA, Yandex School of Data Science, TAU, Israel.

2020 - 2023: M.Sc. Software engineering, Shamoon College of Engineering, Be'er Sheva, Israel.

2019: Courses of Software QA Automation, Tel-Ran Educational Center, Rehovot, Israel.

2016 - 2020: B.Sc. Applied Mathematics and Computer Science, Tomsk Polytechnic University, Russia.
Graduation project: Solving the problem of distributing control sessions of spacecraft between earth stations by using 3D matrix.

Achievements

- Winner of the All-Russian Machine Learning Championship "Digital Breakthrough" [[github](#)] (2022).
- Winner of the Regional Machine Learning Championship "Digital Breakthrough" [[github](#)] (2022).

Languages

Russian – Mother tongue; English – Upper-Intermediate; Hebrew – Pre-Intermediate.