**Elizabet Podkaminer**

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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](https://ydata.yandex.com/) courses for Data scientists. Had an industrial project with [Docktech](https://finder.startupnationcentral.org/company_page/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](https://yandex.com/company) internship as developer in NLP team, took part in [YandexGPT](https://cloud.yandex.com/en/) 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](https://github.com/lizapodkaminer/hack/tree/main/PostRussia)] (2022).
* Winner of the Regional Machine Learning Championship "Digital Breakthrough" [[github](https://github.com/lizapodkaminer/hack/tree/main/Ulanovsk)] (2022).

**Languages**

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