Kseniia Lysaniuk

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Education

Neapolis University Paphos Oct. 2022 – Current
B.Sc. in Applied Computer Science *Paphos, Cyprus*

- Awarded JetBrains-sponsored education for math and programming undergraduates.

London School of Economics Oct. 2020 – Aug. 2023
B.Sc. in Data Science and Business Analytics, First-Class Honours Degree *London, UK (remotely)*

- **Relevant courses:** Machine Learning; Advanced Statistics; Business Analytics, Applied Modelling and Prediction.

Higher School of Economics Sep. 2019 – Jun. 2023
B.Sc. in Applied Math and Informatics, GPA: 8.37, Honours Degree *Moscow, Russia*

- **Relevant courses:** Mathematical disciplines (Discrete Mathematics, Mathematical Analysis, Linear Algebra, Differential Equations, Probability Theory and Statistics); Programming; Machine Learning and Applications; Finance (Economics, Econometrics, Quantitative Finance, Asset Pricing, Statistical Methods in Market Analysis).

Saint Petersburg Lyceum 239 Sep. 2016 – Aug. 2019
High School *St. Petersburg, Russia*

Experience

Market Research & Analytics Intern Oct. 2023 – Current
JetBrains *Paphos, Cyprus*

- Designed and developed a tool for visualizing open-field responses in surveys using Large Language Models, enabling effective interpretation of qualitative data through plots and word clouds, thereby enhancing data presentation.
- **Technical Skills:** Python; LLMs.

Teaching Assistant Sep. 2021 – June 2023
Higher School of Economics *Moscow, Russia*

- Assisted in teaching and curriculum development for economics course during the 2021/2022 academic year, and machine learning course during 2022/2023.
- Provided instructional support to students, conducted review sessions, and offered guidance on assignments and projects. Contributed to grading assignments, exams, and projects.

Projects

Q&A Bot May 2023 – Aug. 2023

- Developed Telegram bot using AIOGram, answering queries from chat history.
- Researched Russian-speaking QA models for enhanced natural language processing.
- **Technical Skills:** AIOGram; LangChain; HuggingFace.

Deep Learning Neural Networks to identify phlebology disease Jun. 2022 – Jun. 2023

- Conducted research on using generative adversarial networks with physical information for phlebology disease classification based on MRI scans.
- Confirmed the effectiveness of PINN paradigm and modified GAN model with higher quality and similarity to real MRI scans compared to the standard GAN model.
- **Technical Skills:** Python (NumPy, Pandas, PyTorch); Deep Learning (GAN, PINN).

Technical Skills

Languages: Python, SQL, R.
Frameworks: TensorFlow, PyTorch, Keras.
Developer Tools: Git, Docker, Jupyter Notebook.
Libraries: scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Statsmodels.