

Mariia Poiaganova

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Education

University of Potsdam

Master of Science in Cognitive Systems: Language, Learning, and Reasoning, GPA: 1.4/5.0 (1.0 is the best)

November 2020 – July 2023

Potsdam, Germany

National Research University "Higher School of Economics"

Bachelor of Arts in Fundamental and Applied Linguistics, GPA: 9.1/10.0 (10.0 is the best)

September 2016 – June 2020

Nizhny Novgorod, Russia

Professional Experience

Treasury Intelligence Solutions (TIS)

Data Scientist, part-time

June 2022 – May 2023

Remote

- > Contributed to development of various Machine Learning projects (e.g., potential customers detection, payee types classification)
- > Wrote Master's thesis with the company on a topic "**Generating Customer Insights from Technical Support Inquiries**"
- > Within the scope of the thesis, employed classification algorithms to detect customers' sentiments and emotions from the inquiries' messages as well as used topic modeling algorithms to identify topics of the inquiries
- > Developed a Business Intelligence application which incorporated thesis results as business-relevant customer insights, made the application accessible for the internal stakeholders

Treasury Intelligence Solutions (TIS)

Technical Writer, part-time

October 2021 – May 2022

Remote

- > Developed brand-new user interface for the technical documentation platform
- > Supported the team in writing and enhancing the product's documentation

Teaching Experience

National Research University "Higher School of Economics"

Teaching Assistant in the "Introduction to Data Analysis and Machine Learning" course

January 2020 – June 2020

Nizhny Novgorod, Russia

- > Conducted two seminars
- > Prepared home assignments and graded them, addressed students' questions

National Research University "Higher School of Economics"

Volunteer Lecturer for the Extracurricular Seminars on Neurolinguistics

January 2020 – June 2020

Nizhny Novgorod, Russia

- > Conducted bi-weekly lectures on statistics in neurolinguistics
- > Held talks on statistical methods, presented research papers using such methods and organised discussions about them

Conference Presentations

Conference on Natural Language Processing KONVENS

Potsdam, Germany, September 2022

- > Poster presentation on a topic "**Mining Arguments in US Presidential Campaign Debates**"
- > link 1: https://konvens2022.uni-potsdam.de/?page_id=65 ; link 2: <https://github.com/a-moi/Argument-Mining-Presidential-Debates/blob/main/poster-KONVENS.pdf>

Conference on Computational Linguistics and Intellectual Technologies DIALOGUE

Moscow, Russia, June 2019

- > Poster presentation on a topic "**Speaker Verification based on Prosodic Parameters**"
- > link: http://www.dialog-21.ru/media/4672/poyaganova_paper_poster.pdf

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Awards

DAAD Scholarship Holder, "Master's Studies for All Academic Disciplines"

October 2020 - September 2022

- > A grant fully covering living expenses in Germany for two years
- > 37 winners out of 500+ participants

Winner of the "Best Student Research" Contest at the Higher School of Economics

June 2019

- > A yearly faculty-wide competition of student research projects
- > Participated with an individual research project "Speaker Verification based on Prosodic Parameters"

Winner of the "Best Student Research" Contest at the Higher School of Economics

June 2018

- > A yearly faculty-wide competition of student research projects
- > Participated with an individual research project "Speaker Identification based on Prosodic Parameters"

Language Skills

Russian *Native*

English *Fluent*

German *Intermediate*

French *Basic*

Technical Skills

Programming Python

Data Analysis and Machine Learning Pandas, Numpy, Scikit-learn

Natural Language Processing NLTK, Gensim, SpaCy, Vader, Transformers, PyTorch, Tensorflow

Visualization Matplotlib, Seaborn, Graphviz, Plotly

Statistical Analysis SciPy, Statsmodels

Speech Analysis Praat, MatLab

Web-Development HTML, CSS, MadCap Flare, JavaScript (basic)

Scraping BeautifulSoup (bs4), Requests

Databases SQL

Business Intelligence QlikSense, QlikView

Python/ML Development Amazon Web Services (SageMaker), Jupyter Notebook, PyCharm, Visual Studio

Version Control GitHub, GitLab, SourceTree

Design Adobe Illustrator, Photoshop

Writing MS Office, LaTeX

Interests

Painting and visiting galleries

Reading Russian literature

Hiking and cross-country skiing

Discovering new films and music