Mariya Kilina

NLP ENGINEER

CONTACT

Experienced professional specializing in Natural Language Processing, with a strong focus on developing conversational solutions like voice AI assistants and chatbots. Skilled in applying advanced NLP techniques to improve user interactions and make communication more efficient. Continuously updated on state-of-the-art developments in the NLP field through ongoing research.

EDUCATION

HIGHER SCHOOL OF ECONOMICS
MSc, Computational Linguistics
2019-2021

NOVOSIBIRSK STATE UNIVERSITY
BSc, Fundamental and Applied Linguistics
2015-2019

SKILLS

- Python
- NLTK, Pandas, SpaCy
- Natural Language Processing
- Machine Learning
- Deep Learning
- SQL and NoSQL databases
- HTML/CSS
- Git

LANGUAGES

Russian – Native or bilingual proficiency

English – Full professional proficiency

Italian – Limited professional proficiency

EXPERIENCE

RESEARCH FELLOW UNIVERSITY OF GENOVA
Jul 2022 - Present

Conducted research and development activities in Natural Language Processing and Robotics.
- Led the end-to-end development of a chatbot facilitating interaction with Italian health system: analyzed state-of-the-art, implemented dialogue management and NLP components.
- Adapted a hierarchical solution for robotics planning task that enabled diverse user scenarios and facilitated the creation of varied tasks using simple modular actions.

COMPUTATIONAL LINGUIST ACTION GROUP
Nov 2020 – Sep 2022

Improved the performance of a search engine for professionals such as accountants, doctors, lawyers, etc.
- Developed a solution that allowed to significantly reduce the time for analyzing performance results of the search engine, and to make automated suggestions for its improvements.
- Scaled up the process of updating linguistic dictionaries.
- Analyzed linguistic data for pattern recognition and hypothesis checking.

JUNIOR COMPUTATIONAL LINGUIST DASHA AI
Jan 2019 – Aug 2022

Developed voice AI assistant for call center automation, transcription, recruitment and workplace management.
- Built and supported context-free grammars for Russian and English languages using Tomita parser.
- Conducted log analysis and data labeling for machine learning.
- Automated internal processes via Python.