Maksim Shmalts
Data Scientist / NLP Engineer

Personal Info

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Date of birth
30.04.2002

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Skills

Skill	Level
Python	●●●●○
C#, Java	●●○○○
R	●○○○○
Docker, CI/CD	●●○○○
Python DS, NLP etc. packages: torch, sklearn, nltk, spaCy, transformers, pandas etc.	●●●○○
ML and AI (Regression Models, Neural Networks, Deep Learning)	●●●○○
Language Models: BERT, GPT-3, RoBERTa, BART etc.	●●●○○
LLM APIs: llama-index, openai, LangChain etc.	●●●○○
NLP tasks: machine translation, text generation, QA, NER, morphology / dependencies analysis etc.	●●●○○
Statistical Analysis: statistical hypothesis testing, data aggregation etc.	●●○○○

Languages

Language	Level
Russian	●●●●●
English	●●●●○
German	●●●○○
Spanish	●●○○○

Highly self-motivated and enthusiastic Data Scientist (main focus: NLP) with Theoretical and Computational Linguistics educational background. Detail-oriented fast learner with 4 years Uni- and 2 years professional experience in Data Science and, in particular, NLP. Developed advanced analytical skills and capability of considering problems in multiple ways. Team player ready to contribute to company success with excellent communication and problem-solving skills.

Work History

Apr 2021 - Jun 2022
Assistant
Lomonosov Moscow State University Gymnasium (boarding school), Moscow

Held lectures and tutoriums for additional course "Russian Language for Olympiads".

Jul 2021 - present
Data Scientist (Python)
MKSKOM, DS Departure, Moscow

Developed and integrated minor data analysis and management systems, customisable visualisation tools;
Built basic demo web apps;
Implemented Machine Learning, Time Series Forecasting, NLP tools;
Formulated and validated hypotheses about attracting potential customers on Upwork.

Jul 2021 - May 2022
Assessor
Yandex, Moscow

Evaluated search engines;
Evaluated Machine Translation tools.

Sep 2022 - Feb 2023
Student Assistant
Eberhard Karls Universität Tübingen, Tübingen

Created Finite-States Transducers for German dialectology NLP tasks with pynini library for python;
Contributed to creating and conducting "String Algorithms" course at the Uni Tübingen.

Oct 2022 - Feb 2023
Tutor (Python Course for Beginners)
Eberhard Karls Universität Tübingen, Tübingen

Held tutoriums for a python course for beginners;
Contributed into creating and evaluating homeworks.

Mar 2023 - Jul 2023
Tutor (Statistical Language Processing II)
Eberhard Karls Universität Tübingen, Tübingen

Held tutoriums for an intermediate statistical language processing course;
Contributed into creating and evaluating homeworks.

Education

Sep 2017 - Jun 2019
History and Philology, Secondary School
Lomonosov Moscow State University Gymnasium (boarding school), Moscow

Sep 2019 - present
Theoretical and Applied Linguistics, Bachelor
Lomonosov Moscow State University, Moscow

Mar 2022 - present
Computational Linguistic, Bachelor
Eberhard Karls Universität Tübingen, Tübingen

Papers

Oct 2022
DERBI: DEutscher RegelBasierter Inflektor. Ein automatisierter Umgang mit dem deutschen Flexionssystem
Faktor14

The paper gives a brief overview on a model for automatic German inflection called DERBI.

Jul 2023
John Boy Walton at SemEval-2023 Task 5: An Ensemble Approach to Spoiler Classification and Retrieval for Clickbait Spoiling
ACL Anthology

The paper summarizes the approach of a "John Boy Walton" team's submission to the SemEval-2023 Task 5 about clickbait spoiling. The paper addresses the task using ensembles of encoder and sequence-to-sequence transformer-based language models. Available under **https://aclanthology.org/2023.semeval-1.289/**.

Certificates

Feb 2022
Certificate of Participation at XXII International Conference of Young Slavists
School of Humanities at Tallinn University

Referat "Implementing a Automatic Inflection Model for the German Language", Version 1

Apr 2022
Certificate of Participation at Lomonosov-2022 International Conference
Lomonosov Moscow State University

Referat "Implementing a Automatic Inflection Model for the German Language", Version 2

Apr 2022
Second Degree Diploma at Science Sessions-2022 International Conference
Immanuel Kant Baltic Federal University

Referat "DERBI: DEutscher RegelBasierter Inflektor"

Jul 2022
IELTS - 8 (C1)
German Council Germany

The certificate proves a C1 English level.

Apr 2022
Start Kurs: Ein Studienvorbereitender Deutschkurs (B2)
Eberhard Karls Universität Tübingen

The certificate proves a B2 German level.