






NIKITA SUSHKO

Curriculum vitae

CONTACTS

-  Moscow, Russia
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-  Google Scholar

SKILLS

Natural Language Processing

SWE & MLOps

Classic ML

LANGUAGES

Russian Native

English C1

WORK EXPERIENCE

Research Scientist — 2024 - Present
AIRI

I am currently employed as a research scientist in Domain Specific NLP team in AIRI. My main focus is on Generalization Interpretability of Large Language Models and using this knowledge to increase their multilingual abilities.

Python, HF Transformers, PyTorch

Middle Software Engineer → Research Scientist — 2023 - 2024
SberDevices

Initially worked in the Farm HW QA Automation team, implementing farm-wide monitoring, load and unit tests, and contributing to the backend. Transitioned to GigaCode within SberDevices, focusing on multi-agent large language model systems to solve programming challenges.

Python, Linux, Ansible, systemd, git, FastAPI, Bash, HF Transformers, PyTorch

Intern Frontend Developer → Junior Research Scientist → Embedded Software Engineer — 2020 - 2022
Medical Technologies Limited

Progressed through these three roles, developing part of a web interface for a sensor suite (in use by doctors in Russia and South America), proposing a novel algorithm for stitching low contrast X-Ray images (adopted in about half of Russian-made X-Rays), and creating a hardware/software testing suite for an in-house sensor system (deployed at a Moscow-based factory).

C, ASP .NET, .NET Core 5, Python, Scikit-image, OpenCV, PyTorch, C, Linux, Jetson Nano

PAPERS AND PROJECTS

SynthDetoxM: Modern LLMs are Few-Shot Parallel Detoxification Data Annotators — 2025
AIRI, Skoltech

I was a first author in the paper about creating the multilingual synthetic detoxification dataset using data arbitrage and multilingual language models. Final dataset is available on HuggingFace. The paper was accepted to NAACL Main Conference (Core A rank). [Paper page](#).

PAN 2024 Multilingual TextDetox: Exploring Different Regimes For Synthetic Data Training For Multilingual Text Detoxification

Skoltech

2024

My model scored third place in automatic evaluation and fourth place in manual evaluation in PAN 2024 Multilingual TextDetox shared task at CLEF. Final model along with a synthetic dataset is available on HuggingFace. Technical report for the model and the dataset was accepted to CLEF 2024 conference. I've done an oral presentation about this project during the conference. [HuggingFace page](#).

Semantic analysis of group values structure using Roget Thesaurus: Automated algorithm

MSU

2022

I've co-written a paper about text vectorization technique using Roget Thesaurus. I was in charge of writing the code for the algorithm and writing the mathematical part of the paper. [GitHub page](#).

EDUCATION

PhD

Skoltech, Computational and Data Science and Engineering

Affiliation: Skoltech NLP Lab

2024 - 2027

MSc

Skoltech, Internet of Things & Wireless Technologies

Thesis: Solving physics problems via large language models, GPA: 4.69

2022 - 2024

BSc

Moscow State University, dept. of Computational Mathematics and Cybernetics

Thesis: An automatic algorithm of handwritten symbol recognition, GPA: 4.32

2017-2022

ADDITIONAL ACHIEVEMENTS

Community Outreach

Present

Served as an invited expert for respected radio and newspapers (e.g., [Business FM](#), [ComNews](#)) and authored the semi-popular [Buckwheat Thoughts](#) Telegram channel, focusing on NLP papers and personal projects (currently reaching about 512 subscribers).