

Ekaterina Loginova

experience

Nov 2022 - now

NLP and ML Engineer

Dedalus

Python pipelines for in-house research and development of intelligent health-care systems: multilingual clinical negation detection, named entity recognition, relationship extraction. Improved latency & throughput of all components, with up to x8 wins in processing speed. Devised the relation extraction approach that improved performance x2. Incorporated LLMs into labelling, creating new training and evaluation datasets + lowering cost and time. Implemented deep learning negation detection, improving the classification performance and ease of maintenance. #2 code contributor in a team of 14.

Feb 2022 - now

R&D Volunteer Team Lead

Oplot

ML and NLP against propaganda and disinformation. Coordinating a multidisciplinary remote volunteer group. Mentored the winning teams in the Projector 2023 and 2024 hackathons. Won Demhack 7 hackathon, the Re-forum accelerator, and IREX research grant. Presented on [AI for NGO](#) conference. Organised "Fine-tuning LLMs for NGOs" week-long workshop.

Mar 2021 - Oct 2022

Senior NLP Engineer

Faktion

Semantic search, topic modelling, text classification for Dutch (government projects). Text quality assessment for English (legal domain).

Oct 2017 - Aug 2018

Researcher

DFKI

Deep Learning in Question Answering. LSTM and CNN-based models (mono- and multilingual). See publications + my [Medium post](#) on attention in NLP.

2016 - 2018

Kaggle

Toxic Comment Classification Challenge - top 19%

education

2018 - 2022

PhD Educational Data Mining

Ghent University

(#1 in Belgium, #74 in the world)

NLP for personalised education (see [dissertation](#)). TA "Statistical Modelling and Data Mining", "Bayesian Statistics". [DeepBayes summer school](#). Workshops on public speaking for research.

2016 - 2017

Advanced Master Artificial Intelligence

KU Leuven

(#42 in the world)

Cum laude. Speech and Language Technology option. Thesis on sentiment analysis for opinion mining.

2011 - 2015

Bachelor Applied Mathematics and Information Science

HSE

(#3 in Russia)

Average grade: 8/10. More info: cs.hse.ru/en.

publications