

# KONSTANTIN CHERNYSHEV

## NLP Researcher and Engineer

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📍 Berlin, Germany

in kdchernyshev

🐙 k4black



## EXPERIENCE

### Machine Learning Researcher

📅 Jun 2024  
– Present

📍 Toloka AI, Germany

- ACL 2025 accepted, multimodal university-level math benchmark;
- Developed a substantial part of Agentic Platform for Human-AI collaboration; evaluation, improving the quality on 30%+;

(Agents) (Evaluation) (PyTorch) (HuggingFace) (GenAI) (Human-AI Quality)

### NLP Data Scientist

📅 Jan 2022  
– Sep 2022

📍 EPAM Systems, Serbia

- Trained an unsupervised model for support ticket trends over time;
- Implemented a processing team predictive model, improving ticket processing efficiency by ~10s seconds per ticket for 100k tick./year.

(Python) (FastText) (SkLearn) (PyTorch) (HuggingFace) (PyTest) (Docker) (Jenkins)

### Python Course Head, Lecturer

📅 Jan 2021  
– Present

📍 Yandex School of Data Analysis, Russia

- Led an Advanced Python course for 300-500 students yearly;
- Managed a team of 9 people, planning, review, tech supervision;
- Boosted assignment-checking system (e.g 6x acceleration).

(Management) (Python) (Teaching) (Docker) (PyTest) (Gitlab-CI) (Github-Actions)

### Research Engineer, Project Manager

📅 Apr 2020  
– Jan 2022

📍 Gorky AI (startup), Russia

- Managed 2-4 developers per project, liaising with clients;
- Introduced Align flow, CI/CD, code reviews, improved teamwork;
- Developed a high-loaded 'roads quality' model on sensors data;
- Designed and developed a solution for scanned document analysis, trained a high mAP (~0.94) CV model for tables, imgs, and stamps.

(Python) (PyTorch) (HuggingFace) (SkLearn) (PyTest) (ONNX) (Docker) (Gitlab-CI)

Internships: 📍 JetBrains Research Summer 2023, 📍 LATNA Lab at Higher School of Economics 2019 - 2020;

## EDUCATION

### Master of Science (NLP)

📅 Sep 2022  
– Aug 2024

📍 Groningen & Saarland Unis., Netherlands & Germany

Erasmus Mundus "Language & Communication Technologies";  
GPA: 8.7/10 +Assistant at Language Technology Project;  
Thesis on Mechanistic Interpretability for LLM pruning.

### Post Graduate 2-year Program (Data Science)

📅 Sep 2019  
– Jul 2021

📍 Yandex School of Data Analysis, Russia

Top Russian Data Science program with 3% acceptance rate;  
GPA: 8.9/10; +Assistant at Python Course.

### Bachelor of Science (Applied Math and CS)

📅 Sep 2017  
– Jul 2021

📍 Higher School of Economics, Russia

GPA: 9.1/10; +Assistant at Algorithms and Data Structures.  
Thesis on Abstractive Text Summarization Knowledge Graphs.

## SUMMARY

Passionate Researcher with 6+ years of experience, doing XAI, Pruning and Agents;

- 6+ years of programming, 5+ of NLP Research experience in Startups, EPAM, JetBrains and Toloka AI;
- MsA with Honors at Erasmus Mundus LCT; BaSc with Honors in HSE, Russia;
- Completed 10+ ML research projects.

## SKILLS

### • Data Science

(NLP) (Agents) (Evals) (XAI) (Pruning)  
(Compression) (Speech) (RL)

### • Frameworks

(HuggingFace) (PyTorch) (SkLearn)  
(Tensorflow) (NLPCore) (TorchText)

### • Programming Languages

(Python) (Rust) (C++) (CUDA) (GoLang)

### • Development Tools

(git) (Docker) (Neptune.ai) (GitLab-CI)  
(GitHub-Actions) (Ansible) (ONNX)

### • Languages

(Russian) (English) (German) (Serbian)

## PUBLICATIONS

- 📄 LCT-1 at SemEval-2023 Task 10: Pre-training and Multi-task Learning for Sexism Detection and Classification [accepted, ACL-2023 workshop];
- 📄 U-MATH: A University-Level Benchmark for Evaluating Mathematical Skills in LLMs [accepted, ACL-2025 workshop];

## ACHIEVEMENTS

- Erasmus Mundus Scholarship 2022-2024; Honours Master's degree in NLP;
- Honours Bachelor's degree in CS;
- Largely improved Python course at YSDA, Top-1 by students' rating;
- Finished YSDA - Master's-level Data Science program, 3% acceptance rate.

## PERSONAL

Cheerful and sociable person, keen on slackline and juggling, love music making.

(Music Production) (Juggling) (Slackline)