KONSTANTIN CHERNYSHEV
NLP Researcher and Engineer

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EXPERIENCE

Machine Learning Researcher
🔗 **Toloka.ai**, Germany
📅 Jun 2024 – Present

- To be updated.

(PyTorch) (HuggingFace) (GenAi) (Data Quality)

NLP Data Scientist
🔗 **EPAM Systems**, Serbia
📅 Jan 2022 – Sep 2022

- 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
🔗 **Yandex School of Data Analysis**, Russia
📅 Jan 2021 – Present

- Led an Advanced Python course for 300-500 students yearly;
- Managed a team of 9 people, planning, review, tech supervision;
- Conducted lectures on 'Packages and Modules', 'Rust-bindings';
- Boosted assignment-checking system (e.g 6x acceleration).

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

Research Engineer, Project Manager
🔗 **Gorky AI (startup)**, Russia
📅 Apr 2020 – Jan 2022

- 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)

EDUCATION

Master of Science (NLP)
🔗 **Groningen & Saarland Unis.**, Netherlands & Germany
📅 Sep 2022 – Present

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

Post Graduate 2-year Program (Data Science)
🔗 **Yandex School of Data Analysis**, Russia
📅 Sep 2019 – Jul 2021

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

Bachelor of Science (Applied Math and CS)
🔗 **Higher School of Economics**, Russia
📅 Sep 2017 – Jul 2021

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, now doing evals, XAI & LLM Compression

- BaSc with Honors in HSE, Russia, MsA Erasmus Mundus LCT till 2024;
- 6+ years of programming experience;
- 5+ years of Data Science Research experience in Startups, Yandex DS School, EPAM, and JetBrains;
- Completed 8+ ML research projects.

SKILLS

- Data Science
  NLP DL XAI Pruning Compression Speech Processing CV 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];

ACHIEVEMENTS

- Erasmus Mundus Scholarship 2022-2024;
- Placed 2nd at Moscow State hackathon "Digital Transformation 2021";
- 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 creativity and strive to master a guitar.

(Music Production) (Juggling) (Slackline)