KONSTANTIN CHERNYSHEV
NLP Researcher and Engineer

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EXPERIENCE

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) (PyTest) (Docker)

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, 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)

Research Intern
LATNA Lab at Higher School of Economics, Russia
📅 Apr 2019 – Jan 2021

- Conducted research on Compressed Sensing with l1 and l0 norms, resulting in a near SoTA recovery algorithm with faster convergence;
- Created Abstractive Summarization model using Knowledge Graphs.

(Statistics) (Python) (HuggingFace) (CoreNLP) (SkLearn) (SciPy)

EDUCATION

Master of Arts (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 Explainable AI 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 5+ years of experience, now doing 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;
- Finished 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* [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)