KONSTANTIN CHERNYSHEV

NLP Data Scientist

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EXPERIENCE

NLP Intern
JetBrains Research, Netherlands
📅 Jun 2023 – Present
- Analysing Internal Representation of code generation models;
- To be updated.

(Python) (PyTorch) (HuggingFace) (RL) (SkLearn) (DataLore)

Python Course Manager, Lecturer
Yandex School of Data Analysis, Russia
📅 Jan 2021 – Present
- Managed a team of 9 people, planning, review, tech supervision;
- Conducted lectures on 'Packages and Modules', 'C-bindings';
- Boosted assignment-checking system (e.g 6x acceleration).

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

NLP Data Scientist
EPAM Systems, Serbia
📅 Jan 2022 – Aug 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 t./year.

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

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 highly-loaded 'roads quality' model on mobile data;
- Designed and developed a solution for scanned document analysis, trained a high mAP (~0.94) CV model for tables, pics, 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)
Uni. of Groningen & Saarland Uni., NL & DE
📅 Sep 2022 – Present
Erasmus Mundus "Language & Communication Technologies";
GPA: 8.2/10 (ongoing); + TA at Language Technology Project.

Post Graduate 2-year Program (Data Science)
Yandex School of Data Analysis, Russia
📅 Sep 2019 – Jul 2021
GPA: 8.9/10; + TA at Python Course.

Bachelor of Science (Applied Math and CS)
Higher School of Economics, Russia
📅 Sep 2017 – Jul 2021
GPA: 9.1/10; + TA at Algorithms and Data Structures.

SUMMARY

Passionate NLP Scientist with 4+ years of experience, love NLG and arduous tasks;

HSE, Russia graduate BaSc with Honors, MsA Erasmus Mundus LCT till 2024. Has 5+ years of programming experience, 4+ years of Data Science Research experience: Startups, Yandex DS School, EPAM, and JetBrains; finished 8+ ML research projects.

SKILLS

- Data Science
  (NLP) (DL) (ML) (NLU) (Summarization) (Graph Models) (Speech) (CV) (RL)
- Frameworks
  (HuggingFace) (PyTorch) (SkLearn) (Tensorflow) (NLPCore) (TorchText)
- Programming Languages
  (Python) (C++) (CUDA) (GoLang) (Dart)
- Development Tools
  (git) (Docker) (Neptune.ai) (GitLab-CI) (GitHub-Actions) (ONNX) (TensorRT)
- 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.

PERSONAL

Cheerful and sociable person, keen on slackline and juggling, love music making creativity and strive to master the guitar.
(Music Production) (Juggling) (Slackline)