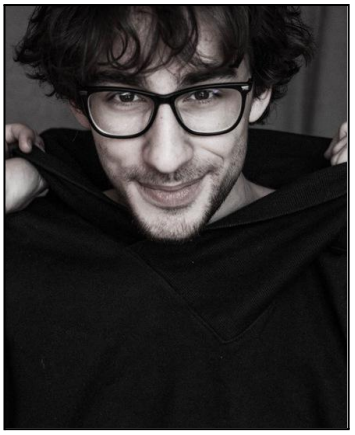
Konstantin Chernyshev



06 April 1999
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Summary

Passionate NLP Data Scientist with the competence to solve real-life problems in a team

- Strong DS/DL skills; Great interest in Natural Language Processing;
- Productization expertise, including optimization, architecture design, and CI/CD;
- Experience in project leading (up to 4 developers) and communication with clients;
- Tactful team player, thrive within a group environment. Pleasant personality.

Qualifications

	Advanced	Familiar
DS Skills	NLP, Core ML, DL	SP, Graph Model, CV, RL, NLU
DS Tools	PyTorch[Lightning], HuggingFace, Sklearn, Pandas, Neptune.ai	NLPCore, TorchText, Tensorflow, Albumentations, PyTorch-Geom
Programming	Python, C++ STL	GoLang, CUDA, Java, JS
Inference	Docker, FastAPI, GitLab-CI, GitHub-Actions, SQLAlchemy	Postgres, TimescaleDB, Celery, RabbitMQ, Triton, ONNX, TensorRT
Tools	git, Unix, JetBrains IDE, LaTeX, markdown	
Languages	Russian (Native), English (IELTS C1)	Serbian (Beginner), German (Beginner)

Experience

jan 2022 - aug 2022

Data Scientist
EPAM Systems (epam.com)

- Made support tickets unsupervised clustering model, tracked time-related trends
- Developed model for predicting Processing Team based on ticket text; achieved 0,89 f1 micro; set up auto-training pipeline. Saved ~9s per ticket, 100k tickets/year

jan 2021 - present

Python Course Manager, Lecturer
Yandex School of Data Analysis (yandexdataschool.com)

As Course Manager, Lecturer

- Managed a team of 9 people: lectures planning, material review, tech supervision
- Conducted lectures on topics: 'Packages and Modules', 'C-bindings'
- Significantly improved assignments checking system (e.g 6 times acceleration)

As Course Assistant

- Developed assignments and improved students' solutions checking system

apr 2021 - jan 2022

Research-Engineer, Project Manager
Artificial Intelligence Development Centre "Gorky" (gorky.ai)

- Led projects of 2-4 developers, communicated with clients
- Improved teamwork (forced align flow and code review)
- Performed fraud search and unsupervised location recommendations for business
- Adopted Voice Conversion model for the Russian language, close to real speech

apr 2020 - apr 2021

Research-Engineer
Development strategy of the Nizhny Novgorod Region [restructured] (strategy.government-nnov.ru)

- Developed month accurate covid-19 prediction model, rough for several months
- Optimized development process. Significantly accelerated a new project launch
- Developed a highly loaded "roads quality" model based on smartphone data
- Architectural management of scanned documents analysis project; Developed a high accuracy CV model for tables, signatures, and stamps; mAP ~0.94

sep 2020 - jan 2021

Algorithms Course Assistant, Lecturer
Higher School of Economics, Nizhny Novgorod

- Conducted seminars on 'Algorithms and Data Structures' course
- Redesigned the course format. Added automatic assignments checking system

apr 2019 - jan 2021

Research-Intern
Laboratory of Algorithms and Technologies for Networks Analysis (nnov.hse.ru/en/latna)

- Did research on "Compressed sensing" with l1 and l0 norm approximation Developed near-SoTA recovery algorithm with faster convergence than similars
- Developed abstractive summarization model using knowledge graphs

Education

2022 - (2024)

Master of Science

EM “Language & Communication Technologies” (lct-master.org)

- 1st year: University of Groningen (ongoing)
- 2nd year: Saarland University

2017 - 2021

Bachelor of Science with honours

Higher School of Economics, Nizhny Novgorod (nnov.hse.ru)

- Finished “Applied Mathematics and Computer Science“ program
- GPA: 9.1/10; Rating: 8/100 (faculty) 1/27 (program)
- Thesis: *Incorporating Knowledge Graphs into Abstractive Document Summarization*

2019 - 2021

Graduate student (Data Science)

Yandex School of Data Analysis (yandexdataschool.com)

- Finished Master’s degree-like 2-year educational diploma program
- Completed courses: Algorithms and Data Structures, Linear Algebra, Probability Theory, Discrete Analysis, Python, ML, DL, CV, NLP, GoLang, RL and CUDA

2021

Completed courses

Nvidia Courses (courses.nvidia.com)

- Deep Learning Optimization and Deployment using TensorFlow and TensorRT
- AI Workflows for Intelligent Video Analytics with DeepStream using TF and TRT
- Fundamentals of Accelerated Computing with CUDA Python

2018, 2019

Participant and Awardee

Intel Delta Courses (delta-course.org)

- Participated in educational intel courses Intel Delta 9, Intel Delta 11
- Took first place in the Image Recognition final competition Delta 9 (kaggle.com/c/delta9/leaderboard)