Konstantin Chernyshev

April 06, 1999
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Summary

- Passionate data scientist with the competence to solve real-life problems;
- Strong experience with ML, CV and NLP frameworks;
- Solid knowledge of system architecture, algorithms, data structures, DevOps and CI/CD;
- Experience in leading projects up to 4 developers and communication with clients;
- Tactful team player, thrive within a group environment. Pleasant personality;

Qualifications

PROGRAMMING LANGUAGES

- Advanced experience with Python, C++ STL, SQL
- Experience of usage GoLang, CUDA, shell/bash, JavaScript, Java, C++ TBB, C, Assembler

DATA SCIENCE SKILLS

- Expertise in machine learning: classical ML, CV, NLP, Speech generation, Graph models
- Wide experience with main flameworks: PyTorch, albumentations, HuggingFace family, Pytorch-Lightning, neptune.ai, sklearn, pandas
- Experience with nlpCore, xgboost, catboost, PyTorch geometric, Tensorflow, Keras,

DEVELOPMENT AND INFERENCE

- Confident knowledge of git, docker/docker-compose, fastapi, postgres, gitlab-ci, github-actions, celery, sqlalchemy
- Experience with flask, redis, rabbitmq, timescaledb, postgis, triton, onnx/tensorrt

OTHER

- Experience with Unix-system, JetBrains IDE, Latex, markdown, html/css

LANGUAGES

- Russian (native)
- English: Advanced (C1); IELTS certificate 7.5
  Confident reading of technical docs and scientific papers
- German: beginner

Experience

apr 2021 - present

Research-Engineer, Project Manager
Artificial Intelligence Development Center "Gorky" (gorky.ai)
· Led projects of 2-4 developers, communicated with clients
· Improved teamwork (effective task manager and code review pipeline)
· Adopted Voice Conversion model for the Russian language, close to real speech

jun 2021 - present

Python Course Manager, Lecturer
Yandex School of Data Analysis (yandexdataschool.com)
· Managed a team of lecturers of 9 people
· General planning of the course, scheduled topics, the reviewed of all lectures held
· Conducted lectures on specific topics: Packages and Modules, C-bindings
· Significantly improved assignments checking (e.g 6 times acceleration)

jan 2021 - jun 2021

Python Course Assistant, Lecturer
Yandex School of Data Analysis (yandexdataschool.com)
· Helped with conducting, developed assignments, and improved checking system

apr 2020 - apr 2021

Research-Engineer
Development strategy of the Nizhny Novgorod Region
(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 bases on smartphones data
· Architectural management of scanned documents analysis project.
   Developed a high accuracy model for finding tables, signatures and stamps.

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)
· Solving "Compressed sensing" problem with l1 norm and l0 norm approximation.
   Developed near-SOTA recovery algorithm, converges faster than similar ones
· Developed abstractive summarization model using knowledge graphs
· Helped with the organization of the conferences of the LATNA.

2019

Developer (website for edu summer camp)
Higher School of Economics (Pre-University Dep.), Nizhny Novgorod
· Designed architecture, project management and main development.
· Dockerized and configured for auto-deploy on a server (+CI, CD)

Education

2021 - (2023)	**Master of Science** Higher School of Economics, Nizhny Novgorod · Data Science
2017 - 2021	**Bachelor of Science with honours** Higher School of Economics, Nizhny Novgorod · Applied Mathematics and Computer Science · 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) · Master's degree-like 2-year educational diploma program · Completed courses: Algorithms and data structures, Linear algebra, Probability Theory, Discrete analysis, Python, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Golang, Reinforcement Learning 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)