
Konovalov Igor

Data Scientist

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EXPERIENCE

November 2023 - present. **Phystech College, Moscow region**

Dolgoprudny - Teacher/Programmer

- I teach a college course in machine learning and python
- I prepare groups of students for competitions,

June 2023 - present **OOO «Stalspoddon» (wholesale) – Data Scientist/Big**

Data Analyst

- Performed experimental development of a production counting system
- Integrate Machine Learning with 1C
- Created an automated system for classifying letters.

August - November 2024 - worked at **SAMOLET Group - Data Scientist ML**

Development Department

- **CV:** Image Data markup (CVAT). Markup automation. Data preprocessing. Markup analysis.
- **NLP:** text markup. Building multi-label classification models and binary models, training transform architectures.
- **Research and Docs** - Delta Lake and DVC research. Documenting the work.

December 2022 - March 2023 **Implementation of the Project for the Government of the Moscow Region**

2021 - 2022 - Worked at startup company **Visible Speech:**

- Implemented mini-games, through interaction, using voice over. (Python arcade)

EDUCATION

Phystech college, Dolgoprudny - Programmer

September 2020 - June 2024

09.02.07 Information systems and programming

PROJECT EXPERIENCE

Winner of the Professional's Championship in the competence of Neural Networks and Big Data.

Winner of the World Skills Championship in the competence of Machine Learning and Big Data.

Finalist of the World Skills Internet of Things (IOT) Championship

Intensive training by the Ministry of Education of the Moscow Region in cooperation **with the Samolet Group Company**

Project of the Moscow Region Government on visual control of food quality in the canteen

Participated in a competition on Samsung's kaggle

TECHNOLOGY STACK

Programming languages: Python, SQL, 1C

Python: Pandas, Numpy, scipy, matplotlib, seaborn, Plotly, Dash, joblib, Argparse, json, yaml, selenium, requests, BeautifulSoup, cianparser.

Data markup tools- Labelbox, Yolo-annotation-tool, CVAT, labelme

Machine learning and artificial intelligence: Scikit-learn, XGBoost, CatBoost, TensorFlow, PyTorch, Keras, OpenCV, YOLO v5, YOLO v8, NLTK, Word2Vec, TF-IDF

DBMS and data handling: PostgreSQL, MongoDB, Excel

Web development and IoT: Flask, Streamlit, HTML, CSS, Thingworx, Arduino

System and network administration: Windows 10, 11; Ubuntu 18, 20, 22;; Astra-linux; Alt-linux, Oracle VM VirtualBox, IIS, 1C-Scloud

Documenting: Markdown, UML, ER-diagrams, Microsoft Office, LibreOffice, Lucidchart

Game and interface development: pyarcade, pygame, Pymunk, pyQT, tkinter

Additional tools and technologies: GitLab CI, GitHub Actions, git, Nvidia CUDA

LANGUAGES

Russian (Native)

English (B2)

ABOUT ME

🎯 Goals: working as a Data Scientist | ML Engineer with a focus on computer vision (CV) and natural language processing (NLP).

💻 I have been interested in programming since childhood: I started with Scratch, and participated in robotics competitions (Robosib, IRGUPS). In college, I became interested in ML, and participated in WorldSkills in the competencies “Machine Learning” and “Internet of Things”. Developed games for children's speech development using voice control.

📊 I have experience in developing IT solutions: working with 1C (database synchronisation, reports), warehouse automation, and creating classifiers of letters with neural networks. Participated in the project for the Ministry of Education of the MOE on the automation of nutrition inspections.

🤖 In 2023, worked on warehouse accounting automation projects and taught programming and ML, preparing students for competitions.

📈 Interested in CV, NLP. RL and recommender systems are interesting to try.

🏊 In my free time I like swimming, travelling, board and computer games.

GUARANTORS

[Maxim Zaitsev](#) — Data Scientist (Go Predicts)

[Kusov Anatoly](#) — Lecturer of the first category, supervisor

[DETAILED CV - RESUME](#)