

DARIA RYABCHENKO

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EDUCATION

Skolkovo Institute of Science and Technology
*2nd year PhD in Computational and Data Science and Engineering;
Researching Molecule Generation;*

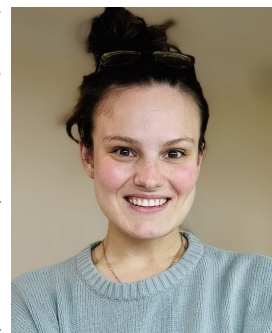
Sep.2024 - to date
Moscow, Russia

National Research University Higher School of Economics
*Master's Degree in Data Science;
Researching Graph Neural Networks; Generating Molecules; GPA 8.0/10.0;*

Sep.2022 - May2024
Moscow, Russia

Ufa State Petroleum Technological University
*Bachelor's Degree in Biotechnology;
GPA: 3.92/4.0; top 1 student in class;*

Sep.2017 - May2021
Ufa, Russia



WORK EXPERIENCE

 **Ligand Pro**, <https://ligandpro.ru/en>
ML specialist;

Sep.2024 - to date
Moscow, Russia

TECHNICAL SKILLS

Programming languages: Python, SQL, LaTeX, Golang.

Frameworks & libraries: PyTorch, PyTorchGeometric, Sklearn, Django, Flask.

Tools & Technologies: Git, Numpy, Pandas, Matplotlib.

Domains: Graph Neural Networks, Computer Vision, RL, NLP, Deep Learning, Machine Learning.

RELEVANT COURSES

Deep Learning
Machine Learning

Algorithms
Python Courses

Probability Theory & Statistics
Linear Algebra

Graph Neural Networks
Computer Vision

PROJECTS & EXPERIENCE

Computer Vision: DDPM; GANs; VAEs; AEs; segmentation; object detection; classification.

Graphs: MolGANs; GATs; GINs; GraphVAEs; semi-supervised learning; node-classification.

NLP: Transformers; RLHF; LoRA; BERT; LSTM; TF-IDF.

Other: interpretability; RL.

Telegram bots (aiogram, pyTelegramBotAPI, Flask):

"HANGMAN" game;

"WORLDWIDE WEATHER BOT" with web-registration.

Web-sites (Django, HTML, CSS, JavaScript).

API (Go, net/http, template/html, encoding/json, database/sql):

"PAYMENT SYSTEM EMULATOR" with front-end.

GUI (PyQt5):

"SUDOKU" game.

ADDITIONAL INFORMATION

Areas of Scientific Interest: molecule generation, computer-aided drug design, machine learning, artificial neural networks, artificial intelligence.

Languages: English (C1), German (B1), Russian (Native).

Background: strong foundation in Chemistry and Biology, enhancing analytical and problem-solving skills.