KIRILL KOZLOV

Student

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EDUCATION

Physics
HSE National Research Univercity
📅 2020-nowadays   📍 Moscow, Russia

Physics
Prokhorov General Physics Institute of the Russian Academy of Sciences, Quantum technologies;
📅 2022-nowadays   📍 Moscow, Russia

WORK EXPERIENCE

Academic assistant (HSE)
Data Analysis (Physics)
📅 2023-nowadays   📍 Moscow, Russia

Academic assistant (HSE)
Deep Learning (Master of FCS)
📅 2023-nowadays   📍 Moscow, Russia

Laboratory assistant
MSU Quantum Technology Centre, Laboratory of quantum atomic simulators
📅 2023-nowadays   📍 Moscow, Russia

PROJECTS

- IDAO 2022 Intern Task : Identify defects in the crystal structure
- QNODE : Learning quantum dynamics by NN
- Yolo v1 implementation
- Optical Neural Network, by matrix multiplication with SLM (in progress)
- Increasing the resolution aerodynamic fields (Hacathon I am professional 2023)

SUMMARY

I am keen on using DS in processing of **experimental data**.
I have a passion for combining scientific knowledge with programming skills that can create new products and solve the hardest problems. By now, I have a basic knowledge of ML and I understand the main tasks and applications of NN. I have a good mathematical background, thanks to which it is easy for me to learn new approaches and come up with solutions to emerging problems. I have a base physical education, thanks for this i can understand most of the physical and not only physical tasks.

LOOKING FOR

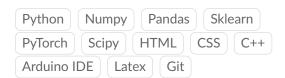*To be in a progressive and dynamic research organization.*
*I want to work with **databases and servers***
*I wish i could work with **Big Data** and use my skills in financial, scientific problems and in software development.*
***Most interesting spheres**:*
- *Generative Models in physical tasks (Time series, Dynamics of systems)*
- *Processing Denoising data (Signals, Images)*
- *Publications in scientific journals*

TECHNICAL STRENGTH

Python   Numpy   Pandas   Sklearn
PyTorch   Scipy   HTML   CSS   C++
Arduino IDE   Latex   Git

MOST PROUD OF

📈 **Knowledge Evolution**
Rapid learning

🏆 **Scientific Mindset**
Decomposition of the problem into components

STRENGTHS

Hard-working   Decision Making
Ability to Work Under Pressure
Motivator & Leader   Time Management
Flexibility and Adaptability

LANGUAGES

English   ●●●●○
Russian   ●●●●●
French   ●●●○○

CERTIFICATES

- Participed in **Summer Math Camp by Yandex-2017** ,introduction to ML
- Courses C++ and Web at **Moscow School of Programmers-2019**
- Participed in **IDAO 2022** data analysis olympiad
- Second place hacathon **Yandex I am Professional 2023 Ai section**