Mycola Kolomiiets

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Education

Taras Shevchenko national university of Kyiv, faculty - Computer Science and Cybernetics, department - Computational Mathematics
September 2020 – June 2024

- GPA: 89/100

Experience

Fellow of the program "IRIS-HEP Fellow 2023", Prinston university, CERN
August – October 2023

During the program, I collaborated with specialists in the fields of software development and data science on project related to high particle physics

Language

English, B2
I think I have B2 level, due to a small number of errors on the external examination and on the EVI. I have experience working with foreign colleagues and teachers Most of the content I consumed for 4 years was in English, so language comprehension is at a high level however, there was not much speaking practice.
Ukrainian, native

Skills

- Python

  At university, I took a year-long course in Python. I used it to automate calculations in other subjects and create personal projects, such as a telegram bot to provide some statistics and a simple 2-D game on pygame. The last algorithms I implemented in Python were some clustering algorithms: k-means, fuzzy k-means (a variation of the previous one) and DBScan. I also used python for my thesis on predicting levels of harmful emissions in the atmosphere.

- Math

  I graduated with a degree in applied mathematics. I studied various branches of mathematics, including statistics, probability theory, numerical methods and mathematical analysis.

- Deep learning

  I took a course on Coursera "Deep Learning Specialization" from Deep Learning.AI and received a certificate in 2023. Then I played around with the acquired knowledge in Jupyter Notebook, creating and training several neural networks. I applied neural networks in my graduate thesis and in personal projects, and also worked with neural networks in the fellow program.

- Git, Docker, Linux

  I use git for all of my projects and have experience with git and dicker after my fellow program. I used to have a Linux computer, now I use Linux mainly with WSL to use GPU in tensorflow (my main computer has Windows).

- C++

  I took a year-long C++ course at university. The course was mostly about the object-oriented paradigm, but all the examples and assignments were in C++.

- SQL

  At university, I took a half-year SQL course. During the course, I learned how to write queries of varying complexity, including very complex ones. The course was based on Microsoft Access, although later I applied the knowledge I gained while working on a Python-based telegram bot, for which I initially wanted to use SQLite, but settled on MySQL.