**Slyadnev Sergei**

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Kharkov, Ukraine

*Python Developer*

**Summary of Qualifications:**

* Good knowledge of C++ language in using with Visual Studio
* Middle knowledge of Python language in using PyCharm
* Good communication skills

**Programming languages and software:**

* Languages: C++, Python, SQL, HTML
* Software: Visual Studio; MS Office; MS SQL Server; PyCharm

**Operating systems**

* Windows 10
* Linux (Ubuntu 16)

**Learning** **experience**

At the discrete mathematics laboratory, I implemented algorithms such as the Dijkstra, Prim, Kruskal, Traveling Salesman algorithm, component search on C++.

In the laboratory work on algorithms and data structures, I worked with linear lists, stack, deck, queue, binary tree, implemented David Huffman's algorithm on Python\C++.

On laboratory work on numerical methods I implemented methods such as Euler's method, Runge-Kutta 1-4 order, Adams, Simpson and interpolation cubic polynomial on C++.

In Python labs, I worked with MySQLite, regular expressions. Studied libraries like Numpy, SciPy, Pandas, Matplotlib.

Implemented term papers on such topics:

1. Plotting a function using the QT and finding the root of this function on C++;
2. Creation of a website for a hotel using HTML, CSS, JS, PHP and SQL;
3. Implementation of the algorithm for finding the root of the equation by the method of simple iteration, Dichotomy, Newton, secant, half division. Also, the implementation of an algorithm for constructing an interpolation spline on C++.

Now I'm working on a term paper where I need to determine the coordinates of parts of the face: nose, lips, mouth, ears, cheeks, eyes, and draw them on video using sv2 python.

In parallel, I am studying material for classifying text using neural networks for a project to create a language learning application.

**Education**

I have been studying at the Faculty of Computer Science at the Kharkov Polytechnic Institute since 2018.

**Courses completed:**

* Python for everybody (Getting Started with Python) (Coursera)
* Python Data Structures (Coursera)
* Inferential Statistical Analysis with Python (Coursera)

**Languages spoken:**

English – intermediate

German – pre-intermediate

Ukrainian – native

Russia – native