|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DATA SCIENTIST**  **Contact Info**  Krautgasse 15, 07743 Jena  0176 47125780  pvivanov89@gmail.com;  **Languages**   |  |  | | --- | --- | | Russian:  English:  German: |      |   **Computer and software skills**   |  |  | | --- | --- | | **Python:** Spyder, Jupyter Notebook Modules: Scikit-Learn, Pandas, Numpy, Matplotlib, Bokeh, Plotly  MS Office, Adobe Illustrator, CorelDraw, ImageJ, OPUS, Omnic, DiffracEva, Origin, Slicer |  |   **Hobbies**   |  | | --- | | Board games, traveling, playing the guitar, short films, event management |   **Voluntary work**   |  |  | | --- | --- | | Cellu l’art – Festival Jena e.V.  Board Member  Int.Ro Jena | Since Oct. 2018  Since July 2020  Oct. 2018-  May 2021 |   **Social Media**   |  |  |  | | --- | --- | --- | | [**LinkedIn**](https://www.linkedin.com/in/pavel-v-ivanov/) | [**Xing**](https://www.xing.com/profile/Pavel_Ivanov27/cv) | [**Facebook**](https://www.facebook.com/ipavel89) | | |  |  | | --- | --- | | **EDUCATION** | | | ***Master’s in engineering geology and hydrogeology*** | ***Sept. 2006 – Jun. 2012*** | | ***PhD in Earth Sciences*** | ***Okt. 2012 – Aug. 2016*** | | Lomonosov Moscow State University, Dept. Of Geology | | | **OCCUPATION** | | | ***Research associate*** | ***Since Nov. 2016*** | | Friedrich-Schiller-University Jena, Institute of Geosciences | | | ***Leading research engineer*** | ***Feb. 2012 – Nov. 2016*** | | Lomonosov Moscow State University, Dept. Of Geology | | | ***Research trainee / Research engineer*** | ***Feb. 2012 – Nov. 2016*** | | Sergeev Institute of Geoecology oft he Russian Academy of Science  **EXPERIENCE IN DATA SCIENCE**  **Professional Education**   * Online course „Using Python for Research”, Harvard University * Online course „Complete Machine Learning & Data Science Bootcamp 2022”, Zero to Mastery inc.   **Skills and Tasks**   * Clean-up, preparation and evaluation of large data sets; * Visualization of geospatial data; * Machine learning: modelling of structured data sets (regression, clustering, classification); * Graphical representation of the results. | |   **MAIN PROFICIENCES**   * Planning and carrying out the scientific research; * Collection and statistical analysis of the experimental data; * Presentation of scientific projects and findings at conferences and specialist meetings; * Preparation of publications and reports; * Building of interdisciplinary networks and their coordination; * Search for and application for funding; * Supervision of students’ scientific works.   **Other relevant skills**   * Good understanding of statistical laws and patterns (correlation, causality, association, significance); * Theoretical knowledge about basic machine learning algorithms (Random Forest, K-Neighbors, K-Means, PCA, regression, etc.); * Soil microscopy and statistical analysis of 2D and 3D spectral data, image analysis, 3D reconstructions. |

**CV DR. PAVEL IVANOV**