

Data Scientist/Python Developer

Profile:

Expertise in scientific research, focusing on epidemiology and microbiology. Experienced in applying data analysis and machine learning in financial services, particularly for Anti-Money Laundering (AML). Proficient in data pipelines integration (ETL), transaction monitoring execution, and deploying machine learning strategies, emphasizing unsupervised learning. Successful in a Deep Learning hackathon, focusing on computer vision and audio classification challenges. Strong interest in Bioinformatics, especially in DNA data analysis and taxonomy assignment, using R/Python.

Core Competencies

Data Science
Data Analysis
Python
R(RStudio)
Machine Learning (MLflow)
Deep Learning
(PyTorch, TensorFlow/Keras)
Statistics (Python/R, Power BI)
SQL (SQLite, Oracle SQL)
AML/KYC
AWS/AZURE clouds
Bioinformatics (Python/R)
MS Office
Linux/Windows
CI/CD (Git/Jenkins)

Personal skills

Creative spirit
Reliable and professional
Strong analytical thinking
Organized
Ability to own education
Time management
Team player
Fast learner
Motivated

Languages

English C1
Polish C1
Russian B2
Ukrainian B2

Work experience:

Data Science/Big data processing within scientific projects | 2020 – 2023

- Preparation of Data for analysis;
- Data Visualization: (Seaborn/Matplotlib/MSExcel/PlotLy/StreamLit/Dash/RStudio);
- Statistical analysis/Data analysis (RStudio/Python);
- Preparation of graphs and maps for scientific articles (some of them are published in international scientific journals);
- Machine Learning implementation (Scikit – learn/TensorFlow/SHAP);
- Bioinformatic analysis of NGS with BioPy (Python/RStudio).

PhD student | Medical University of Gdańsk | 2019 - November 2023

Data Scientist/Python developer in Private banking team | April 2022 - present

- Machine Learning models implementation/monitoring/evaluation, and interpretation (Scikit – learn/TensorFlow/SHAP).
- DevOps activity (Docker/VMs/CI/CD).
- ETL deployment (Apache Airflow/PySpark).
- AML (Anti Money Laundering) automatization/monitoring.
- Data Analysis (Python/R/Power BI).
- Code review.
- Reports/documentation preparing.
- Contact with clients.

Global Data Science Summit (16.12.2022) – as a speaker with presentation

Traineeship in bioinformatics | June 2022 - December 2022

- Department of Biology, University of Florence, Italy - **DNA data processing and analysis with Python and R.**

Global Data Science Challenges:

- Deep Learning competition (**Computer vision/AWS cloud**) | Jun 2022 - November 2022
- Deep Learning competition (**Audio classification/AWS cloud**) | Jun 2023 - September 2023

Certificates:

- AWS Certified Machine Learning – Specialty;
- DeepLearning.AI: TensorFlow Developer;
- Dataiku Certified: Core Designer/ML Practitioner/Advanced Designer;
- Microsoft Certified: Power BI Data Analyst Associate;
- Microsoft Certified: Azure AI Fundamentals;
- Microsoft Certified: Azure Data Fundamentals.

Education:

- 2012 - 2016** National Technical University “Kharkiv Polytechnic Institute” — Bachelor's degree in chemical engineering in Kharkiv, Ukraine.
- 2016 - 2018** Maria Curie-Skłodowska University in Lublin — M.Sc. in Chemistry (as result: 2 scientific publications) in Lublin, Poland.
- 2019 - 2023** Medical University of Gdańsk, Gdańsk, Poland — PhD in Health Sciences