GUGLIELMO CERRI - **Senior Data Scientist**

ABOUT ME

Senior Data Scientist. I am extremely interested in the world of Big Data, with a particular focus on Data Science and AI. I follow various newsletters, write articles on Medium, and contribute to Open Source projects.

CONTACTS

- **Website:** guglielmocerri.github.io
- **Portfolio:** https://github.com/GuglielmoCerri
- **LinkedIn:** https://www.linkedin.com/in/guglielmocerri
- **Medium:** https://medium.com/@cerriguglielmo

WORK EXPERIENCE

Senior Data Scientist

Avvale spa - 2024/Current

I manage artificial intelligence projects, including the junior members within them. My work is primarily focused on the development and implementation of solutions that integrate Large Language Models (LLM) and Retrieval-Augmented Generation (RAG) systems. I leverage cloud platforms like Azure and Google Cloud to ensure scalable and high-performing solutions13.

Bioinformatician

Cogentech srl - 2022/2024

As a bioinformatician for a company within AIRC, my purpose was to develop ML models for predictive analysis of biological data and create web interfaces for launching and managing bioinformatics pipelines. My main tasks included:

- Frontend and backend implementation of the interface.
- Building ML models on structured data.

Artificial Intelligence Specialist

Fire Group spa - 2021/2022

As an Artificial Intelligence Specialist for an international company in the Finance/Banking sector, my main tasks were:

- NLP analysis with the creation of custom NER models.
- Developing chatbots for customer assistance.
- Developing GUIs for automatic extraction and labeling of PDF documents.
- Developing deep learning and machine learning models on structured and unstructured data (images, text).

Research Fellow

University of Verona - 2020/2021

As a research fellow in bioinformatics at the University of Verona, my main tasks included:

- Analyzing genomic data (DNA, mRNA).

- Designing and implementing machine learning models to predict polymorphisms associated with neurodegenerative diseases.

EDUCATION

University of Verona - 2018/2020

Master's Degree in Medical Bioinformatics (LM-18)
Final Grade: 110/110 with honors
Thesis: "Genetic and Transcriptomic exploration of Parkinson's Disease using ImagingGenetics"

University of Catania - 2015/2018

Bachelor's Degree in Computer Science (L-31)
Final Grade: 110/110 with honors
Thesis: "Evaluation of methods for the search of tumor biomarkers in the absence of controls"

PUBLICATIONS

Mining genetic, transcriptomic and imaging data in Parkinson's disease – 2021
G. Cerri, M. Tognon, A. Altmann, R. Giugno
IEEE - Institute of Electrical and Electronics Engineers
Doi: 10.1109/ICHI52183.2021.00105

TECHNICAL SKILLS
- **Programming:** Python, Java, R, C++, C, Bash
- **Tools:** Git, DVC, Docker, Nextflow
- **Databases:** MongoDB, SQL
- **Frameworks:** React Native
- **Cloud Platforms:** Microsoft Azure, Google Cloud Platform

CERTIFICATIONS
- Microsoft Certified: Azure AI Engineer Associate
- Deep Learning Specialization
- MongoDB Python Developer Path
- Google SEO Specialization

SOFT SKILLS
- Curiosity
- Sociability
- Perseverance
- Teamwork

LANGUAGES
- **Italian:** Native
- **English:** B2

HOBBIES AND INTERESTS
- I collect comics, stamps, and coins.
- Gym rat
- I love animals.
- Passionate about watches.