

Paolo Berizzi

Data Scientist

Data Scientist with expertise in time-series analysis and data visualization. Skilled in Python and cloud-native solutions.

EXPERIENCE

Data Scientist

@ Xylem VUE

Aug 2023 - Present

Actively contributing to the design, development, and deployment of software solutions that leverage machine learning to process raw data and deliver useful insights. I have worked on projects focused on pump degradation and analysis of metered water consumption to optimize distribution in complex networks.

Domain of expertise:

- Predictive Maintenance
- Signal analysis
- Time-series disaggregation

Engineering Leadership Development Program

@ Xylem

Aug 2021 - Aug 2023

Two-year program of three rotational assignments driven by business priorities. I contributed to multiple teams and gained experience from various brands of the company. I worked both onsite and remotely, collaborating with people in different regions of the world.

- Developed a web app to use Bayesian optimization to increase design efficiency.
- Deployed a data-driven chlorine estimation to enable water purification in under-resourced conditions.
- Researched ML methods for leak detection and localization in pipes.

Internship Master Thesis

@ Volvo Cars

Jan 2021 - July 2021

Internship in the department of Safe Vehicle Automation with the focus on generation of large quantities of synthetic data by learning and mirroring small samples of real data. Investigation of neural network architectures for computer vision and their impact on the generation of synthetic data.

EDUCATION

Master of Science in Data Science

@ KTH, Stockholm, Sweden

Aug 2020 - July 2021

@ TU/e, Eindhoven, Netherlands

Aug 2019 - July 2020

Double degree program offered by EIT Digital Master School, which combines technical competence with skills in innovation and entrepreneurship. Key projects:

- Promotion of drone services to win market share for Institut De Soudure Group.
- Ideation and design of business models for truck platooning at DAF Truck.

Summer School

@ University of Ljubljana, Slovenia

Aug 2020

Program on Digital Transformation for Urban Resilience, organized by EIT Digital. I worked on a business development project addressing the creation of renewable energy communities for EIMV Research Institut.

Bachelor of Science in Computer Science

@ University of Trento, Italy

Sept 2016 - July 2019

References provided upon request.

I authorize the processing of personal data present in the CV according to the Regulation of the European Parliament 679/2016.



DETAILS

@ pberizz@gmail.com

+46 79 353 41 64

Stockholm, Sweden

linkedin.com/in/paoloberizzi

paoloberizzi.github.io

TECHNICAL SKILLS

- **Languages:** Python, SQL, Scala
- **ML/DS:** StatsModels, BoTorch, Scikit-learn, PyTorch, TensorFlow, Keras
- **Data Visualization:** Plotly, Streamlit, Tableau
- **Software Development:** Django, Celery, Git
- **DevOps & MLOps:** MLflow, Flyte, Docker
- **Big Data & Cloud:** Spark, Kafka, AWS

ORGANIZATIONAL SKILLS

Demonstrated strong organizational skills through various leadership roles. Through group projects and scouting, I have honed my ability to analyze complex problems comprehensively and make informed decisions, even under stressful conditions. Proficient in design thinking and agile methodologies, developed through hands-on project work.

COMMUNICATION SKILLS

Developed strong communication skills through extensive experience in team projects and international business cases. My involvement in scouting and volunteering has further enhanced my ability to interact effectively with diverse groups. My passion for data visualization, applied in numerous projects, enables clear and impactful presentation of complex data.

LANGUAGE SKILLS

- Italian: Native
- English: Fluent
- Swedish: Beginner