Alberto Remoto, Ph.D.

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@ Personal web page
⌘ Linkedin profile

Profile

Lead Data Scientist with successful accomplishments in both academic research and consulting. Ph.D. in physics with 10 years experience in handling, analysing and managing large datasets. I exploit with success my quantitative skills influencing real-economy businesses with data driven insights. Dynamic professional with analytical mindset, I embrace agile teamwork, but as a self-motivated person I'm also capable to perform independently. My key quality is to unravel complex problems into effective solutions.

Portfolio

1) Non Performing Loans, employ Machine Learning tools to help a financial institution to reduce its exposure to non-performing loans.
2) Predict Bike Power, an online tool that uses Artificial Intelligence algorithms to predict the power produced during a bike ride.
3) Telegram ChatBot, an automated dialog system that employ Natural Language Processing to answer questions and entertain the user.
4) COVID19 Monitoring, an interactive and automated online tool to monitor the worldwide evolution of the COVID19 epidemic.
5) Tableau public profile, a collection of captivating data visualisations.

Career summary

DATES	January 2018 – September 2019
EMPLOYER / ADDRESS	Lightbox technologies, Geneva (Switzerland)
POSITION	Lead Data Scientist / Consultant
RESPONSIBILITIES	I help our clients to increase efficiency and reduce operational costs leveraging a wide array of digital tools, advanced data analytics, machine learning, predictive logics and process automation. Our clients represent some of the top class companies in the retail, automotive, media, banking, government, engineering, sport, and packaging sectors.

- Lead a credit risk project in the banking industry using machine learning and NLP to automatise up to 70% of loan applications.
- Implement predictive models using financial techniques and macro-economic data to forecast client's sales with accuracy up to 90%.
- Define relevant KPIs leveraging advanced analytics, produce regular automated and interactive dashboards with effective graphics.
- Guide multiple efforts to ensure data quality and consistency, establish data governance, promote data culture, and defining clear guidelines to implement data validation and cleansing pipelines.
- Client facing and team leading roles, define project requirements, roadmaps, establish key success factors and performance metrics.
- Produced PoCs that resulted in major contracts with key clients.

DATES	March 2016 – December 2017
EMPLOYER / ADDRESS	CERN, Geneva (Switzerland)
POSITION	Senior fix term researcher
RESPONSIBILITIES	Development of new cutting edge multi-MCHF detector technology to enhance high resolution in the identification of particles interactions: • Contributed to the definition of the data handling infrastructure, including data modelling and governance. • Developed and deployed an automated ETL system to manage the detector data stream in real time, assuring data quality at every stage.
DATES	March 2013 – March 2016
EMPLOYER / ADDRESS	CNRS, Annecy (France)
POSITION	Junior fix term researcher
RESPONSIBILITIES	• Advanced data classification and anomaly detection. • Perform high precision measurements with multivariate analysis.

Education and training

DATES	2009 – 2012
QUALIFICATION AWARDED	Ph.D. in Particle Physics
INSTITUTION	Université de Nantes (France)
DATES	2006 – 2009
QUALIFICATION AWARDED	M.Sc. in Particle Physics, Grade 110/110
INSTITUTION	Università degli studi di Torino (Italy)

Skills and competences

IT SKILLS	• Variety of machine learning and advanced statistical techniques. • Expert in data mining and analysis of large distributed datasets. • Experience with data modelling in data warehouse and data lake. • Experience with automated data cleansing, validation and enrichment. • Advanced expertise in several languages such as Python, R and C++. • Solid background with SQL and NoSQL database management. • Captivating visual report/dashboard with BI tools (Tableau, PowerBI).
SOFT SKILLS	• Excellent communication skills, report to managers and clients. • Meticulous, creative, open minded, team worker, problem solver. • Agile methodology, project management, mentoring.
LANGUAGE SPOKEN	• Italian: Native – English: Excellent – French: Excellent – Spanish: Good
HOBBIES	Active in the local triathlon community, endurance sports, cooking.