Alberto Remoto

+41 7 82 23 22 40
remoto.alberto@gmail.com
Rue Schaub 21, 1202 Genève
Birthdate: 28/03/1984 – Italian (B permit)

EXECUTIVE SUMMARY

Experienced innovation leader with a proven track record in executing digital transformation strategies. Currently focusing on innovative projects that leverage Artificial Intelligence to enhance business processes and create new strategic opportunities. Holder of a Ph.D. in physics with successful contributions to academic research in top European, USA and Japanese research centers.

PROFILE

I have strong analytical skills and extensive experience leveraging a proactive problem solving mindset to develop innovative solutions. Working environment and interpersonal relationships are essential as I believe these are the most important factors for personal and professional growth. I embrace teamwork, but as a self-motivated person I am also capable of performing autonomously. Combining the right amount of strategic thinking and creativity I deliver result oriented solutions, focused on customer needs.

PROFESSIONAL OBJECTIVE

I aim to grow my career towards an executive position as digital transformation leader in a small to medium enterprise. Industries of interest are technology, regulatory, banking and financial. The ideal working place offers a diverse and respectful environment with stimulating and challenging projects.

SKILLS

- **Technical:** Data Science, Data Management, Cloud, Artificial Intelligence, Machine Learning, Natural Language Processing, Robotic Process Automation, Low Code
- **Operational:** Analytical Skills, Communication, Problem Solving, Time Management, Action Oriented, Customer Focus, Product Development, Procurement, Budgenting
- **Cognitive:** Creativity, Learning Skills, Detail Oriented, Result Oriented, Solution Oriented, Strategic Thinking, Synthetic, Curiosity, Lateral Thinking.
- **Management:** Decision Making, Delegation, Sharing Knowledge, Accepting & Delivering Feedback, Change Management, Lean Management

TECHNICAL SKILLS

- **Cloud :** Azure, GCP, AWS, Cloudflare, Docker, Microsoft 365.
- **Databases:** MySQL, MariaDB, Microsoft SQL Server, SQLite, MongoDB.
- **Web:** Front & Back-End, HTML, CSS, Bootstrap-4, JavaScript, Flask, Django Node JS.
- **Data science:** Machine Learning, Data management and Data visualization in Python, R, Tableau and Power BI. Deep Learning and Natural Language Processing.

Head of Data Science, BRP SA
Geneva, Dec. 2020 – Today
Digital transformation, adoption of artificial intelligence, general IT strategy, budget management, cyber risk management, disaster recovery plan, internal training, support.

e-Learning Platform
Challenges: Provide customers with a digital platform for subscribe, enroll and follow training on offer.
Results: Integration of LMS (Moodle) + e-Commerce (Wordpress + WooCommerce) hosted on the corporate site. Integration of administrative functionalities (payments, invoicing, debtor tracking). Integration with intranet and internal knowledge-base for automated content publication.

BRP BRAIN - Bespoke Regulatory Alerts Insights and News
Challenges: Deliver relevant regulatory alerts and news across 200 jurisdictions to customers
Results: Scalable cloud platform that allows users from the legal team to draft, review, publish and deliver regulatory news covering a wide topic selection. Currently commercialized worldwide.

Regulatory Monitoring Service
Challenges: Identify, monitor and filter relevant regulatory changes across 200 different jurisdictions
Results: Deploy a pragmatic AI based solution used internally by about 50 active users.

Digital Transformation
Challenges: Transform manual processes into scalable and auditable digital processes. Handling budget, change management, continuous development and integration.
Results: Ongoing effort, maintain the company digital platforms, manage a wide range of internal processes, implement new processes upon request. Handling about 100 daily active users.

Data scientist, Freelance
Geneva, Sept. 2019 – Nov. 2020
Focus on continuous learning and personal projects. Approach challenges leveraging new technologies.

Project: Non Performing Loans in the banking industry
Challenges: Identify early symptoms of clients susceptible to non-performing loans.
Results: Provide a Machine Learning tool to reduce financial exposure to non-performing loans.

Project: Predict Bike Power in the sport industry
Challenges: Estimate bike ride power exploiting physical, biological and environmental information.
Results: Develop a Machine Learning tool to predict power output with an accuracy of about 25%.

Project: COVID-19 monitoring
Challenges: Make clarity over confusing and sometimes misleading information circulating online.
Results: Develop an interactive and automated tool to monitor the evolution of the COVID-19 pandemic.

Data scientist, Lightbox technologies
Geneva, Jan. 2018 – Sept. 2019

I helped clients to increase efficiency and reduce operational costs leveraging a wide array of digital tools, data analytics, machine learning and process automation. Clients represented some of the top class companies in the retail, automotive, banking, government, engineering, and packaging sectors.

Project: Credit risk in the automotive banking industry – Project Lead
Challenges: Database consolidation, data cleansing and features engineering. Automatise credit decision of lease application. Explain methodology to non expert clients and to senior management.
Results: Automate the processing of about 70% of the lease application. Remove human bias in the credit decision process. On-premises software interfacing with client's infrastructure.

Project: Truck & Bus sales analytics – Responsible for data management and analytics
Challenges: Track vehicles through heterogeneous data warehouses. Data enrichment with a third party dataset. Define KPIs to monitor sales across relevant dimensions, automate reporting to business.
Results: Increase granularity of the market segmentation. Identification of additional insights on the market status. Semi-automated weekly and monthly reports of sales and market status.

Project: Analytics for regional electoral campaign – Project Lead
Challenges: Infer groups behavior from aggregated electoral data and demographic data. Electoral segmentation through bayesian ecological inference and cluster analysis.
Results: Interactive analytics summarizing historical and current electoral segmentation. Comprehensive written report summarizing findings and micro-targeting insights.

Senior fix term researcher, CERN
Geneva, Mar. 2016 – Dec. 2017

I have been part of an international effort for the development of new cutting edge technology to enhance resolution in the identification of particle interactions. Main duties involved data analysis, colleagues supervision and team management for both analysis development and R&D activities.

Project: Data management infrastructure – Project Lead
Challenges: Operate hardware infrastructure for data acquisition. Retrieve raw data from heterogeneous hardware and merge into a single data model. Guarantee data consistency during detector operation.
Results: Develop an ETL system to manage 1-2 TB/day of data in real time. Online monitoring tool to verify data quality and consistency. Produce high quality and validated data for scientific research.

Project: Resource coordinator – Detector operation manager
Challenges: Coordinate multiple working groups to share detector time efficiently. Define operation priority according to the collaboration roadmap. Perform QA/QC on heterogeneous components to validate the detector design. Evaluate detector performance with respect to pre-defined benchmark.
Results: Technology approved for future scientific experiments. Results published in scientific reviews.

Project: Measurement of physics parameters – Project coordinator and main analyst
Challenges: Data driven validation of the technology using standard candle measurements. Improve the knowledge on known parameters with new and more accurate measurements.
Results: Technology validated for production on a large scale. Results published in scientific reviews. Unexpected physics process identified and being currently studied for a dedicated publication.

Junior fix term researcher, CNRS

Annecy, Mar. 2013 - Mar. 2016

Perform high precision measurements with multivariate analysis. Coordinate a successful R&D project over 3 years. Successful supervision of a Ph.D. student. Multiple results published in scientific reviews.

EDUCATION

2009 - 2012, Ph.D. in Particle Physics, Université de Nantes.

2006 - 2009, M.Sc. in Particle Physics, Universitá degli Studi di Torino. Grade 110/110.

2003 - 2006, B.Sc. in Physics, Universitá degli Studi di Torino. Grade 105/110.

LANGUAGE SPOKEN

Italian: Native — French: Excellent — English: Excellent — Spanish: Good

HOBBIES

Active in the local triathlon community, endurance sports, outdoor activities.