Carmine Lombardi

Curriculum Vitae per la destinazione “ai fini della pubblicazione in ottemperanza del D. Lgs. 33/2013”

Manager

Manager with extensive experience in risk management banking, insurance, asset management and capital market industry focusing on financials risk and leading transformation, innovation and strategic programs (regulatory and managerial). Strong analytical skills and a deep understanding of financial markets and derivatives.

Significant knowledge of managing complex teams focused on successful delivery of highly complex projects under ambitious deadlines.

Core skills include:

Banking & Capital Market: Market Risk (Stress Test, Sensitivities and Fair Value adjustment, XVA); CCR (Credit/Debit value adjustment / Accounting Cva/Cva-Var/Funding Value Adjustment / Additional Valuation Adjustment). ICAAP/ILAAP Process, Risk Appetite Framework Process, Leading the Group Regulatory Reporting process (IMOD and COREP); Set up and review of Data Quality Framework. Liquidity Risk; Model Risk Governance; Risk IT Process, Monitoring and Evaluation; Risk transformation programs, Review of operative model aiming at achieve the target solution, F.O. Migration and Risk Engine full revaluation system focusing on financial instrument pricing, Risk neutral and Real World valuation, Set up and maintenance of Trading System (both algho implementation and update), AML, Strategic project (e.g. partnership integration at a group level).

Insurance: Modelling Asset in ALM process (Dynamic & Stochastic model), Index Linked and Unit Linked products evaluation, Segregated Fund risk/performance analysis, Stress Testing

Artificial Intelligence: Artificial Intelligence applied to capital market, insurance, asset management, capital optimization, pricing model, risk management and trading.

Regulatory Framework: Risk Reporting Assessment according to Perdar Regulation (Principles for effective risk data aggregation and risk reporting), Solvency II framework (Pillar I, II, III), Mifid II, FRTB, Basel Framework, COREP&FINREP

Asset Management: Tecniche di gestione del rischio, sistemi di reportistica e front office, intelligenza artificiale applicata, UCITS, AIF, AIFMD, EuVECA, EuSEF, ELTIF

Career Development

Manager at Avantage Reply	**March 2020 - present**
Senior Consultant 2 Avantage Reply	March 2019 - March 2020
Senior Consultant at Avantage Reply	March 2018 - March 2019
Consultant at Avantage Reply	December 2014 - March 2018

Professional experience

As manager I am leading several teams and projects on a wide range of clients: Insurance, Asset Manager, Investment Bank. Along with the Partner, I play a key role in steering our business, and I am responsible for building and managing our key client relationships, driving delivery and leading teams.
Hereunder the keys experiences.

Asset Management

Risk management framework: The aim is to set-up a new risk framework to best fit the new market regime. We are defining the risk measures, the limit, the compliance checks and rules, new methodologies and so on.

Front Office System: we are supporting several clients in the implementation of new front office system. We are carrying out different activities according to the clients need (e.g. assessment, implementation, testing, user training …)

Insurance:

IFRS9 platform: The client is the main Italian Insurance Company with a world wide infrastructure. We are implementing an IFRS9 application to allow the client to be complied with the new international accounting standards.

Climate Risk: We are supporting different clients in the design and implementation of a Climate Change Risk calibration framework. With some clients we are working on a global framework, with others in respect of Financial & Credit Risk within Solvency II. We are designing the framework, the control, the internal policies, the quantitative and qualitative approaches and methodologies, the monitoring framework and so on.

Investment Banking:

Artificial Intelligence applied to trading and risk management, in which we design and implement AI algorithms for trading (e.g. sentiment analysis) and risk management (deep hedging, dynamic hedging…)
Digital Trading: we are in charge of the development of new tools for helping different front office desk to improve their activities
Advanced Risk Management Platform: over the past years we developed a risk management platform integrated with advanced technologies such as Artificial Intelligence, quantum computing, Blockchain and advanced algorithms (e.g. adjoint method). Currently we are improving its functionalities with and end-to-end support, from design to implementation and test.

Academic Collaborations

Over the years I have been involved in different academic collaborations mainly focussed on topic such as the application of Artificial Intelligence and Machine Learning techniques in the financial services and risk management.

2021: Sapienza Università di Roma – Master BaFi – Risk Management e Climate Risk

2020: Università Cattolica del Sacro Cuore di Milano - Machine Learning & Risk Management In Financial Institutions
2019: Sapienza Università di Roma - Machine Learning & Risk Management In Financial Institutions
2019: Università Cattolica del Sacro Cuore di Milano - Machine learning in capital market
2019: MIB Trieste - Artificial Intelligence And Machine Learning In The Financial Institutions

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Publications (working paper)

Pavia G., Lombardi C. (2020). THE NEW NORMAL: HOW CAPITAL MARKETS CAN TURN THE CORONAVIRUS THREAT INTO AN OPPORTUNITY