

Ali Koné MFin, CPA

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Data Scientist

Accomplished audit and data analytics professional with 16+ years of experience leveraging data to drive strategic internal audits and SOX programs. Proficient in statistical analysis, data visualization, and modeling to uncover key insights and mitigate risk. Proven ability to elevate audit quality through advanced analytics. Seeking to utilize my analytical skills, passion for the financial markets in a data scientist/data engineering/quantitative research roles.

Key Skills:

- Data Analysis and Visualization
- Statistical Modeling and Analysis
- Data Mining and Extraction
- Risk Modeling and Forecasting
- Python, R, SQL, Excel, Power BI
- Communicating Data Insights

Professional Experience

Consulting Manager, Risk Assurance & Internal Audit | Moss Adams | Sept 2022 – October 2023 | Dallas, TX

- Enhanced audit effectiveness by integrating continuous data analysis, monitoring, and visualization into testing strategy.
- Built automated dashboards and reports to share data-driven insights with stakeholders for timely decision making.
- Developed data analytic procedures leveraging statistical modeling and machine learning algorithms to strengthen risk assessment.
- Extracted and normalized data from multiple systems to construct comprehensive datasets for in-depth analysis.
- Designed and executed process mining initiatives, identifying control gaps and opportunities through event log evaluation.

Manager, Governance, Compliance and Audit | BMO Financial Group | April 2016 – Aug 2022 | Toronto, ON

- Incorporated data analytics into annual audit plan, increasing coverage by 25% with no added budget.
- Created Python scripts to analyze 100% of transactions vs. sampling, improving detection of anomalies by 50%.
- Built Tableau dashboards synthesizing KPIs, trends, and benchmarks to enhance visibility into performance.
- Mined data to construct predictive models, allowing proactive identification of high-risk transactions.
- Spearheaded development of automated reconciliation tool, saving over 200 hours annually.

Experienced Senior Auditor | PwC | Oct 2004- Aug 2010 & Dec 2011- May 2013| Ivory Coast & Canada

- Delved into intricate accounting and financial reporting controls, spearheading critical SOX reviews for designated areas. Ensured stringent adherence to regulatory standards and initiated corrective measures when deviations were identified.
- Conducted comprehensive analysis of Key Performance Indicators (KPIs), trends, financial ratios, and cross-divisional benchmarks. Meticulously compared actual performance against budget projections, proactively initiating remedial actions to optimize outcomes.
- Leveraged insightful client interviews and risk assessment procedures to cultivate an enhanced understanding of audited domains. Nurtured productive relationships with client personnel, bolstering collaboration and enhancing audit effectiveness.

- Identified and meticulously assessed key controls, expertly detecting deficiencies, and devising comprehensive strategies to rectify control failures. Additionally, introduced mitigating controls to curtail risk exposure and fortify organizational resilience.
- Galvanized team members through a harmonious blend of teamwork, unwavering integrity, and visionary leadership. Cultivated a culture of continuous improvement and professional growth, fostering a cohesive and high-performing team.

Education

CFA Institute

CFA candidate in 2024

MS in Financial Engineering

World Quant University, St New Orleans 2022

Relevant courses: *Financial Markets, Econometrics, Discrete Time Stochastic Processes, Continuous Time Stochastic Processes, Computational Finance, Portfolio Theory and Asset Pricing, Machine Learning in Finance, Case Studies and Risk Management, Data Feeds and Technology, Capstone Course.*

Master of Finance

Rotman School of Management, University of Toronto, 2018

Relevant courses: *Foundations of Finance, Macroeconomics, Corporate Finance and Valuation, Investment Banking, Derivatives, Forecasting risks and opportunities, Fixed Income, Investments, applied portfolio Management, Risk Management*

Certificates in Data Science & Quantitative analyst with R & Python

DataCamp, 2019

22 courses with Python including SQL, Databases, Data Cleaning, Data visualizations, Statistics, Machine Learning, Deep Learning, NLP.

25 courses with R including Time Series, Forecasting, Data visualizations, ARIMA modeling.

Additional Skills

- Advanced SQL, Excel, Python, R, Power BI
- Machine Learning Models
- Statistical Analysis and Modeling
- Risk Modeling, Forecasting
- Process Mining