

+27 (82) 790 9265
mmlehata@me.com

Profile

An excellent communicator with deep technical skills, I am a client-focused team player with a passion for understanding complex scenarios and methodologies.

I am currently completing my Master's in Computer Science. I am conducting research into combining multiple unsupervised statistical learning algorithms to build systems capable of distinguishing between regular internet traffic and malicious traffic on an unlabelled data set.

With a highly marketable skills set, integrity, problem-solving ability and heavyweight tertiary teaching experience, I am an industry leader with a unique approach to technology.

Experience

Data Scientist, Standard Bank — Sept 2019 - Present

Solving complex customer centred problems through Data Science and Engineering. Building production grade real time machine learning systems which deliver smart and personalised recommendations to customers at scale using Amazon Web Services.

Integration Engineer, Riskworx (Pty) — October 2018 - September 2019

Client: Rand Merchant Bank (RMB) | Dec 2018 – June 2019

Project: RiskWatch to Murex Migration

Key responsibilities include leading roles in market risk and market risk technology consulting as well as deployment to Rand Merchant Bank to assist with their RiskWatch to Murex system migration.

Additional responsibilities include cross-project data engineering, product valuation reconciliation, market data reconciliation, and daily reporting of key market risk metrics to the South African Reserve Bank.

Business Analyst, Standard Bank — Sept 2015 - Mar 2017

As lead business analyst, I provided business support to an investment banking business spread over 17 countries across Africa. I was a subject matter expert in Debt Products and Securitisation.

I received an award from the Chief Information Officer for my role in developing/rolling out a pilot programme enabling the Investment Bank to implement matched maturity funds transfer pricing in major African markets, resulting in improved ability to monitor/manage funding risk on a sizeable loan pool.

Other critical outcomes included conducting business/technical analysis for major core banking system upgrades on three systems, across three countries, and pushing changes through the entire software development lifecycle.

Graduate, Standard Bank — Sept 2014 - Aug 2015

I was selected to join the Standard Bank Corporate and Investment Banking Graduate Programme in 2014 as a graduate analyst. The programme consisted of a month-long skills development course run by Wipro in India, followed by rotations throughout the bank. He gained invaluable experience in Investment Banking (business analyst), Global Markets (technical analyst), Operations Technology (front end developer), and Market & Credit Risk (full stack developer).

Key Achievements:

- Earned Associate Professional Risk Managers certification.
- Completing Introduction to Financial Markets course taught by Peter Skeritt.
- Completed Wipro training.

Education

Rhodes University — M.Sc. Computer Science, 2017 - Present

Amazon Web Services Cloud Practitioner - 2020

Professional Risk Managers Association — Associate Professional Risk Manager, 2015

University of the Western Cape — B.Sc. (Hons) Computer Science, 2013

Skills

Python | SQL | NoSQL | Machine Learning | Financial Markets Product Knowledge | Market Risk | Software Engineering | Data Visualisation | Data Engineering | Feature Engineering | PySpark | Hadoop | Amazon Web Services | Linux | Agile
