



# ANSTO TAFARA CHIBAMU

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## SUMMARY

I hold a master's degree in applied statistics with operational research from University of Technology, Mauritius, an honors degree in financial engineering from Harare Institute of Technology, Zimbabwe, and four years of experience collecting, cleaning, analyzing, and interpreting data. I have extensive experience in Python, R, and MySQL. I also know C++, Java, Matlab, and ExcelVBA.

## EXPERIENCE

### QUANTECH AFRICA, MAURITIUS

[Feb 2019 – \*\*]

**Description:** A Mauritian registered consultancy company which specializes in quantitative research, data analysis and modeling, software development and HR consulting.

[www.quantechafrica.com](http://www.quantechafrica.com)

**Position:** Quantitative Data Analyst

**Duties:**

- Asking the right questions to begin the discovery process.
- Acquiring data from disparate sources.
- Cleaning, aggregating, and organizing data.
- Integrating and storing data.
- Designing data modeling processes to create algorithms and predictive models and perform custom analysis
- Manipulating large data sets and use them to identify trends and reach meaningful conclusions to inform strategic business decisions.

**Tags:** [R, Python, MySQL, Machine Learning, Web Scrapping, Marketing, Sales, Risk, Finance]

### HEDGINA (TRADING TEAM)

[Sept 2020 – \*\*]

**Position:** Quantitative Researcher

**Duties:**

- Managing of offshore team members.
- Conceptualizing valuation strategies, develop and continuously improve upon mathematical models, and help translate algorithms into code.
- Backtest and implement trading models and signals in an active, live trading environment.
- Conducting research and statistical analysis to build and refine monetization systems for trading signals.
- Working with analysts and developers and coordinating to develop algorithmic trading bots.

**Tags:** [Python, QC API, Stocks, ETFs, Cryptos, Options, Futures]

### LUSWETI, ESWATINI

[Feb 2018 – Oct 2018]

**Description:** An NGO indigenous to Swaziland, Southern Africa dedicated to the creation and provision of innovative health and development communication programs. 15-20 employees

**Position:** Research Consultant

**Duties:**

- Analyzing data and information to find ways to improve operations.
- Developing and conducting user surveys.
- Writing research reports on findings.
- Presenting research findings to the respective business executives

**Tags:** [Ms Excel, SPSS, R, Ms Word, Ms PowerPoint]

## EDUCATION

MSc. Applied Statistics with Operational Research, Merit  
UNIVERSITY OF TECHNOLOGY MAURITIUS (UTM)

[2018-2020]

- Courses:** Fundamentals of Applied Statistics, Credit Scores and Data Mining, Simulation Techniques, Methods for Operational Research, Time Series Econometrics, Advanced Operational Research Methods, Multivariate Data Analysis, Operational Research Methods in Finance.
- Dissertation:** Constructing a dynamic portfolio using machine learning techniques.

BTech. (Honors) Financial Engineering, 2.1  
HARARE INSTITUTE OF TECHNOLOGY, ZIMBABWE

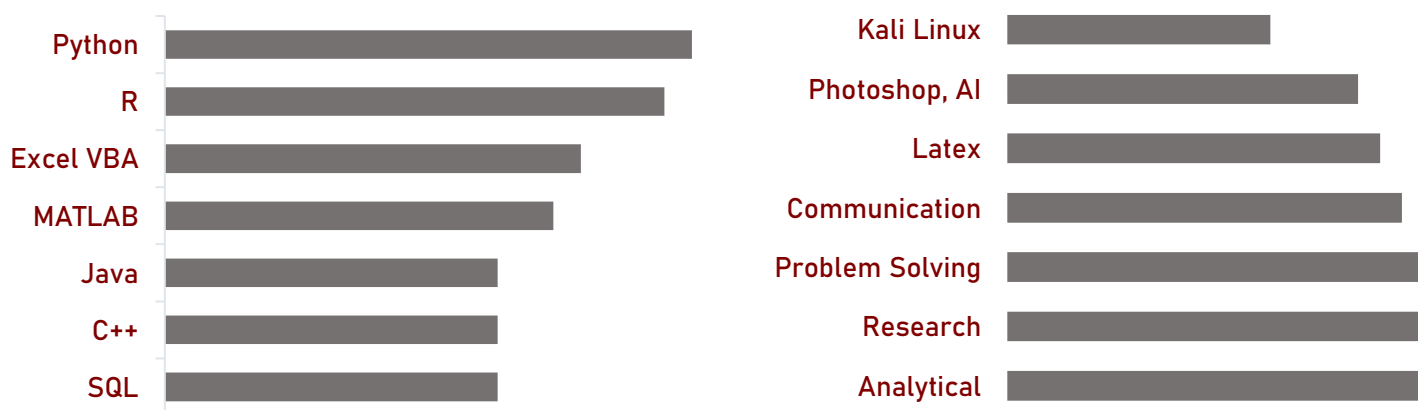
[2013-2017]

- Courses:** Macro and Micro Economics, Statistics, Calculus, Algebra, Financial Modeling in Excel, Financial Econometrics, Stochastic Processes in Finance, Asset Securitization, Credit Derivatives, Options and Futures Markets, Interest Rate Models and Derivatives, C++ for Financial Engineers, Java for Financial Engineering, Portfolio Engineering, etc
- Projects:**
- Investigating mis-valuation of stock prices at the Zimbabwe Stock Exchange (ZSE): An Investment Strategy.
  - Stock Analysis Application and a Stock Valuation Index.
  - The Impact of the internal regulatory liquidity ratio on the monthly net interest margin: A case for the Zimbabwean banking sector.

Higher Secondary Examinations  
HERMAN GMEINER HIGH SCHOOL

- 3 A Levels** - Mathematics, Accounting, and Business Studies.  
**6 O Levels** - Including Mathematics and English

## SKILLS



## ACHIEVEMENTS

- HIT Forex Trading Club (2017)  
Founder and President
  - Teaching and Instructing new club members on how to trade forex.
  - Translating FX trading strategies into a working code.
  - Developing Expert Advisors (EA) and Technical Indicators.

### CERTIFICATES

- Financial Markets & Econometrics courses with WorldQuant University, 2019. (Transcripts)
- Certificate in Scientific Computing & Python for Data Science: WorldQuant University, 2020.
- Certificate in Credit Risk Modeling in Python 2020: 365 Careers & Udemy.

## REFERENCES

**Dr. Kumar Dookhitram**  
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