# MWANGE CARLVIN JERRY

I am a BSc. Financial Engineering graduate with a specialization in quantitative analysis and data science. I am a quick learner, open minded and curious to engage in new ideas with challenges and efficient problemsolving tasks. I enjoy working environments that push my skills to the limit, motivated by quality results. I am cooperative, I have good problem solving skills, a team player, eager to learn and good at taking direction.Excellent verbal and communication skills as well as interpersonal skills.

## **EDUCATION**

2017 2013

## B.S., Financial Engineering

Jomo Kenyatta University Of Agriculture And Technology

Nairobi, KE

· Project: Comparison between constructing an options hedge and a hedge on futures.

2012 2009

# Kenya Certificate Of Secondary Education

Booker Academy

Mumias KE



# INDUSTRY EXPERIENCE

Current 2018

#### Quantitative Analyst

Innova Limited

• Nairobi. KE

- · Research and implementation of financial markets analysis models.
- · Building, developing and testing financial models used to analyze financial investments data in different markets across Africa
- · Research and implementation of machine learning techniques in the financial domain.
- · Predictive modelling in finance. Work primarily done in R, Python, Julia and F# for the .Net framework integration.

2017 2016

## Mathematical Engineering Intern

Innova Limited

O Nairobi, KF

- · Performed analytical research in data manipulation and visualization.
- · Research in financial models and development of financial models in R statistical language.
- · Built internal tool to help the company store, analyse and visualize Uber usage transactions for its employees.
- · Predictive modelling research. Work primarily done in R, SQL and Microsoft Office.

#### CONTACT INFO



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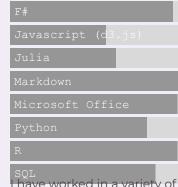
in LinkedIn

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☆ Carlvin || Beyond Raw Data

For more information, kindly contact me via email.

## LANGUAGE SKILLS



I have worked in a variety of roles mainly revolving research & development and data science. I like collaborative environments where I can learn from my peers. Capable of working well both individually as well as in groups with minimum or no supervision and follow through assignments.

# SELECTED DATA SCIENCE WRITING

Current 2019

## Personal blog articles based on data science research topics and practices

Beyond Raw Data Blog

· This is my personal blog where I get to showcase some of my projects and research findings in data scince.

2019 2019

## Digital Nudging, using Twitter data to solve a nudge case scenario

Beyond Raw Data Blog

- · A case study and write up on the resulting solution I came up with during a hackathon hosted by Safaricom PLC on applying nudge theory to extract information from social media users online.
- · Coded in R and Pyhton.

I regularly blog on data science and visualization on my personal website.



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# My Data Science projects

Projects

- · Documentation of personal projects and findings on data analysis, visualization and machine learning.
- · Work primarily done in R Shiny, Python, F# and Azure.



# T HONORS & AWARDS

Current 2019

## The Capital Markets Authority Regulatory Sandbox

CMA Regulatory Sandbox

- · Participation in developing a cloud based platform for financial markets data analysis and reporting.
- · Product of Innova Limited

2019 2019

# Data Science hakathon by Safaricom Alpha

Strathmore University, KE

· Finalist, Digital Nudging on Twitter data competition

2019 2019

### Microsoft Azure Machine Learning Certificate

**LGIT Smart Solutions** 

- · Certificate of completion of the Microsoft Azure Machine Learning course.
- · Work done in Microsft Azure and Python



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