

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 problem-solving 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
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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
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2009

Kenya Certificate Of Secondary Education

Booker Academy

📍 Mumias KE



INDUSTRY EXPERIENCE

Current
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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
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2016

Mathematical Engineering Intern

[Innova Limited](#)

📍 Nairobi, KE

- 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



carlvinjerry@gmail.com

[GitHub:](#)

[@CarlvInJerry](#)

[LinkedIn](#)

📞 +254 704942588

[CarlvIn || Beyond Raw Data](#)

For more information, kindly contact me via email.

LANGUAGE SKILLS

F#

Javascript (d3.js)

Julia

Markdown

Microsoft Office

Python

R

SQL

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
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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 science.

2019
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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 Python.

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



SELECTED PROJECTS

- **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.



HONORS & AWARDS

Current
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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
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2019

- **Data Science hakathon by Safaricom Alpha**
Strathmore University, KE
 - Finalist, Digital Nudging on Twitter data competition

2019
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2019

- **Microsoft Azure Machine Learning Certificate**
[LGIT Smart Solutions](#)
 - Certificate of completion of the Microsoft Azure Machine Learning course.
 - Work done in Microsoft Azure and Python



REFEREES

George Mbuthia Ndungu,
Software Engineer,
Microsoft EA, Kenya,
Tel: +254 710 773 556,
Email: v-gendun@microsoft.com

Michael Kaboro Maina,
Engineering Team Lead,
Innova Limited Kenya,
Tel: +254 721 205 226,
Email: michael.kaboro@gmail.com