

Kiprono Elijah Koech | CV

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📄 Summary

Two years of experience in data science and statistics fields. Highly analytical and process-oriented statistician and data scientist with a focus on being grounded researcher in machine learning. With in-depth knowledge of statistical theories and formulations, proficiency in the statistical modeling process. Graduate of Stellenbosch University (under African Institute for Mathematical Sciences Scholarship) and Jomo Kenyatta University of Agriculture and Technology with a Master's Degree in Mathematical Sciences and Bachelor's Degree in Statistics, respectively.

Possessing working knowledge in programming languages like Python, R, and SAGEMath with the application on Data Science fields like Predictive Modeling, Data Analytics, Computer Vision among other fields.

🎓 Education

Stellenbosch University

Cape Town, South Africa

Certificate(Anticipated): **Master's Degree in Mathematics (Data Science Major)**

Feb 2020 – To Date

Anticipated completion: August, 2021

Research area: *Machine Learning and Computer Vision*

Stellenbosch University

Cape Town, South Africa

Certificate: **Master's Degree in Mathematical Sciences (Data Science), Cum laude**

Jan 2019 – Nov 2019

Research area: *Machine Learning and Computer Vision*

Jomo Kenyatta University of Agriculture and Technology

Nairobi, Kenya

Certificate: **Bachelor's Degree in Science (Statistics), First Class Honors**

Sep 2013 – Nov 2017

📋 Key Skills

- **Data Science and Statistical Skills:** - including Machine learning, Artificial Intelligence Exploratory data analysis, Data visualization, Web scrapping, Business intelligence and analytics, Regression analysis, Time series analysis, Data wrangling, Predictive Modelling, Data Mining among others.
- **Programming:** - Python, JuliaDEF, R (beginner), HTML and CSS, SAGEMath and SPSS.
- **Tools and technologies:** - Git, \LaTeX , Microsoft Office suite, Tensorflow and keras, Matplotlib, Scrapy, BeautifulSoup, Selenium, OpenCV, PowerBI
- **Database Management System:** - MySQL and IQ care.

🏢 Employment History

Research Fellow, Science of Intelligence

Berlin, Berlin, Germany

Working on a computer vision project with Technische Universität Berlin with

Feb, 2021 – To Date

Prof. Olaf Hellwich

Data Assistant, CDC-University of Maryland

Kisii and Migori, Kenya

Facilities:

Jan 2018 – Dec 2018

- Migori County Referral Hospital (MCRH) , Migori County.
- Raganga Level 3 Hospital, Kisii County.

Achievements and responsibilities

- Enter information into IQ Care database. This involved entering information on the paper files into the IQ care database. **Managed to enter all 357 files into the database in Kisii and over 5000 in Migori.**
- Database management-update of information, data backup and data restore.
- Locate, attach appropriate files to incoming correspondence requiring replies. Also locate appropriate files for entering the data into the IQ care database.
- Conduct data cleaning and quality check to ascertain that the data entered to the IQ care database is accurate

and complete. **Done weekly.**

- Achievement: **Collectively managed 357 files in Kisii and over 5000 files in Migori.** Rectified an event that almost saw Raganga Level 4 hospital data being lost. This was made possible through collective effort with the supervisor and colleague. **Recovered data for 286 files.**

Leadership

Organizing secretary, Jomo Kenyatta University Society of Statisticians (JKUSOS)

(2016–2018)

Chairperson, Mathematics club (referred as sigma club), Chepkechei Secondary School

(2011–2012)

Treasurer, Young Christians Society (YCS)

(2011 – 2012)

Laboratory Prefect, Chepkechei Secondary School

(2010 – 2011)

Award and Honors

Golden Key Award, for being among the top 15% academic performers among the 2019 cohort.

(2020–2022)

African Institute for Mathematical Sciences(AIMS) Scholarship,for MSc Mathematics at S.U

(2019–2010)&(2020–2021)

Award for Excelllence, African Institute for Mathematical Sciences(AIMS)

(Jan 2019- Nov 2019)

Vice Chancellor's Academic Award, Best student in Bachelor of Science (Statistics option)

(2015/2016 academic year)

Vice Chancellor's Academic Award, Best student in Bachelor of Science (Statistics option)

(2014/2015 academic year)

First place, Mathematics contest with 1954 contestants

(2012)

Groups and Societies

- Computer Vision and Remote Sensing Group at Technische Universität Berlin [1] [2]
- Data Science Research Group at African Institute for Mathematical Sciences [1]
- Golden Key International Honour Society
- Kenya National Society of Statisticians

Hobbies and Interests

- Volunteering and Charity work.
- Playing puzzle games like Sudoku game,trivia and Word trip.
- Reading motivational books and articles related to technological advancement.

REFERENCES

Dr. Bubacarr Bah

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