

Sabuni Emmanuel

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Professional Summary

Detail-focused Data Analyst / Software Engineer with specialties in data warehousing, process validation, business needs analysis, app & web development, and modeling & Simulations. Proven to understand customer requirements and translate into actionable project plans. Proficient in predictive modeling, data processing, and data mining algorithms, as well as scripting languages, including python, R and java

Links

 [sabuniemmanuelc](https://www.linkedin.com/in/sabuniemmanuelc)

 [sabuniemmanuelc](https://github.com/sabuniemmanuelc)

 [@sabuniemmanuelc](https://www.instagram.com/sabuniemmanuelc)

Experience

Zonal Census Coordinator, Zambia Statistics Agency

07/2022 – 10/2022

- Trained Census Enumerators and supervisors on how to conduct enumerations, reporting and also ethics
- Assisted in providing IT support services (Mufulira District site)
- Created reports and assisted in registration of enumerators & Supervisors with ZamStarts HQ
- Coordinated census field works in Mokambo, and Murundu zones

Data Entry Clerk, Examination Council of Zambia

06/2022 – 07/2022

- Accurately captured data for national assessment program using CS-Pro App for learners, Teachers and Headteacher from various school in Zambia.
- Corrected data entry errors to prevent duplication or data degradation.
- Carried out day-to-day duties accurately and efficiently.
- Evaluated source documents to locate needed information.

Data Analyst, Gulani Technologies Limited

06/2019 – 12/2021

- Built predictive models using machine learning tools like Scikit-learn, Matplotlib, TensorFlow, Pandas, NumPy etc. to predict the possibility of equipment failure
- Tested data prediction algorithms based on historical data.
- Developed and trained a credit risk prediction model using machine learning model like Random Forest Classifier, Logistic Regression, k-fold etc. from Scikit-learn Python library
- Wrote, trained and test a linear regression sales prediction model to forecast sales growth for gulani technologies computer accessories and service store

- Worked with business intelligence software and various reports to glean insights into trends and prospects.
- Utilized React for its efficient data flow architecture to create a lightweight and render efficient web app

Tutor (Part-time), ZCAS University

07/2019 – 12/2022

- Taught undergrad students Introduction to Artificial Intelligence, Machine Learning, Software Requirements, Data Structures & Algorithms, Programming in Java, C++ & Python and Database Technologies in Computer systems at the department of Computer Science
- Assisted Students with choosing projects and offered consultancy on projects
- Worked with students on one on one and in groups to give assistances in courses like Statistics, Research methods and mathematics (calculus) outside classroom arrangement and hours

Software Developer, Secbluewave Inc

02/2017 – 04/2019

- Collaborated with project managers to select ambitious, but realistic coding milestones on pre-release software project development.
- Coordinated with project management on database development timelines.
- Developed cross-platform native and hybrid mobile applications for IOS and Android.
- Designed and developed exam question bank android app.
- Worked with APIs to connect to 3rd party APIs (like social media) and involved in the unit-test code for robustness, including edge cases, usability, and general reliability
- Wrote server-side and client-side code for afriserve.net and twatemwa primary school projects using PHP, HTML, CSS and JavaScript, specifically with bootstrap framework.

Database Associate Intern, CDC – US Embassy

04/2013 – 08/2013

Education

World Quant University — **MSc Financial Engineering**, New Orleans, LA 70170, USA 01/2024

Final Master's Research Project Proposed: A comparative study of Efficient Pricing and Hedging Models for Credit Derivatives using machine learning and Artificial Neural Networks

Copperbelt University — **BSc Computer Science**, Kitwe, CB 10101, ZM

11/2017

Final Project Completed: Web-Based Job Applicants Shortlisting

Kantanshi High School — **GSCE Grade 12 Certificate**, Mufulira, CB 10101, ZM

11/2006

Certifications

Solutions Architect Associate Certifications, Amazon Web Services	current
Oracle Cloud Infrastructure Foundations Certified Associate, Oracle University	12/2021
Applied Data Science II: M L & Statistical Analysis (with honors), World Quant	09/2021
Huawei HCIA – Security, Huawei	08/2021
Python Basics for Data Science, IBM	04/2021

Applied Data Science I: Scientific Computing & Python (with honors), World Quant
Cloud Practitioner Essentials, Amazon Web Services

03/2021
11/2020

Skills

- Data Collection, cleaning, analysis and visualization with R, Python, Excel, Tableau, Power BI etc.
- Qualitative and quantitative data analysis.
- ML Research.
- Planning, Coordination and Lesson delivery.
- Architectural pattern development.
- Software Design and Development
- Teaching Skills

Accomplishments

- Obtained Applied Data Science II: M L & Statistical Analysis Certification (with honors)
- Obtained Applied Data Science I: Scientific Computing & Python Certification (with honors)
- Completed a project on housing price prediction based on location and size using python in jupyter notebook

Interests

- Reading AI & ML books and Publications
- Architectural Designs
- Travelling
- Bonsai Art and Gardens
- Listening to classic music