

## CURRICULUM VITAE

MARTIN DUDI OTIENO

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### PERSONAL DETAILS

- **NAME:** MARTIN DUDI OTIENO
- **NATIONALITY:** Kenyan
- **LANGUAGES:** English, Kiswahili, and Luo

### CAREER OBJECTIVES

Aspiring Data Scientist and Actuarial Science graduate with a strong foundation in data analysis, statistics, and predictive modeling. Eager to leverage academic achievements and hands-on experience to contribute to data-driven decision-making processes in a dynamic and innovative environment.

### EDUCATION BACKGROUND

- **Moringa School – Nairobi, Kenya**
  - Data Science Bootcamp | April 2023 - October 2023
    - Developed expertise in data preprocessing, exploratory data analysis, machine learning, and data visualization.
    - Successfully completed projects involving real-world datasets to solve business challenges.
    - Gained proficiency in programming languages such as Python and R.
- **Kabarak University – Nakuru, Kenya**
  - Bachelor of Science in Actuarial Science | September 2019 - December 2023 (Expected Graduation)
    - In-depth coursework in mathematics, statistics, risk assessment, and financial modeling.
    - Focused on applying mathematical and statistical methods to analyze and solve complex financial problems.
    - Honed skills in using actuarial software and tools for data analysis and modeling.
- **Maseno School – Maseno, Kenya**
  - Kenya Certificate of Secondary Education (KCSE) | Graduated in [2018]
    - Achieved a B grade, demonstrating strong academic performance and commitment to education.

- Participated in extracurricular activities, showcasing leadership and teamwork abilities.

#### SHORT COURSES

- **Great Learning | September to December 2022**
  - Data Science Packages

#### WORK EXPERIENCE

- **CIC Insurance Group – Nairobi, Kenya**
  - Under Policy Administration (Individual Life Insurance) | January 2023 - April 2023
    - Contributed to the efficient management and administration of policies within the Individual Life Insurance division.
    - Collaborated with cross-functional teams to ensure accurate policy documentation and customer service.
    - Gained insights into insurance processes and procedures, enhancing knowledge of the insurance industry.

#### Responsibilities:

- Preparing and reviewing insurance claim forms and related documents for completeness.
- Organizing and working with detailed warehouse records using computers to enter, access, search, and retrieve data.
- Calculating amounts of claims and pensions.
- Constantly contacting insured or other involved persons to obtain missing information.
- Posting information to claim files.
- Transmitting claims for payments or investigation.

#### Accomplishments:

- Worked directly with insurance carriers, healthcare providers, and patients to get claims processed and paid.
- Answered patient billing questions and handled any discrepancies.
- We established and solidified client relationships through high-quality customer service.

#### RESEARCH EXPERIENCE (PROJECTS)

Successfully completed projects at Moringa School:

1. **House Price Prediction:** [Link to Project](#)
  - Utilized machine learning techniques to predict house prices based on various features.
2. **Life Expectancy Prediction:** [Link to Project](#)
  - Developed predictive models to estimate life expectancy based on relevant factors.
3. **Movie Performance at Box Office:** [Link to Project](#)
  - Analyzed movie data to predict and assess box office performance.
4. **Market Analysis Dashboard (Power BI):**
  - Developed an interactive Power BI dashboard to visualize market trends, competitor performance, and customer preferences, assisting senior management in strategic decision-making.
  - Implemented calculated fields and parameters in Power BI to allow users to customize views based on specific criteria.
5. **Movie Recommendation System:** [Link to Project](#)
  - Created a recommendation system for movies based on user preferences and historical data, enhancing user experience and engagement.

#### SKILLS

- **Data Analysis:** Data preprocessing, feature engineering, exploratory data analysis.
- **Machine Learning:** Regression, classification, clustering, and model evaluation.
- **Programming:** Proficient in Python, R, Apache Spark, and Hadoop for Big Data.
- **Tools:** Familiarity with libraries such as Pandas, NumPy, Scikit-learn, Matplotlib, Excel, Tableau, and Power BI.
- **Actuarial Science:** Risk assessment, financial modeling, actuarial software.
- **Communication:** Clear verbal and written communication skills.
- **Teamwork:** Collaborative and effective team player.

#### LEADERSHIP POSITIONS

- **Maseno School - Senior Mathematics Captain and Chairperson Mathematics Club | May 2017 to November 2018**
- **Kabarak University - Organizing Secretary Kabarak University Actuarial Science Student Society | May 2022 to December 2023**

#### REFERENCES

- **MR MARKSON RUGUT**
  - Kabarak University

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- **DR PETER RUGIRI**
  - Kabarak University
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- **KEVIN ONDARA**
  - CIC Insurance Group