

JOACHIM WAMBUA MWENGI

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PERSONAL SUMMARY

A hardworking and data-oriented individual seeking to utilise my software engineering skills to help organisations build innovative tech products that create meaningful impact and catalyse systems change. I possess software engineering skills, primarily in web application development. Moreover, I possess communication skills and strong storytelling capabilities through data storytelling and visualization. I am passionate about learning and developing a career in software engineering and data science. Additionally, I am a skilled researcher and computer programmer working proficiently in Python, SQL, NoSQL databases and web development frameworks. I seek to dedicate my skills, knowledge and passion to working collaboratively in a team to further the mission of an organisation that offers an extensive induction scheme and possibilities for added future opportunities and professional growth.

EDUCATIONAL BACKGROUND

African Leadership University (ALU) – Kigali, Rwanda

September 2018 – May 2022

BSc. (Hons) Computer Science

ALU's Bachelor in Computer Science degree programme is an interdisciplinary course of study designed to equip students to enter the dynamic world of technology as problem solvers with skills to examine, tackle and address present and future complex and pressing problems with computer tools. Students complete three foundation sprints building proficiency in Software Engineering, Artificial Intelligence and Big Data Management to interact with software systems, real-world data, web design and development, software systems operations, computational systems and engineering and database administration.

Relevant Coursework: Database Systems, Data Structures & Algorithms, Website Development, Software Engineering, Mobile App Development; Artificial Intelligence: Advanced Algorithms, Computing Research, Machine Learning, Data Mining, Internet of Things, Advanced Databases, Project Management; Entrepreneurial Leadership, Programming and Discrete Mathematics.

Data Analyst Nanodegree Programme

July 2022 – September 2022

A.L.X. Africa and Udacity Scholarship Programme

This course strengthens students' ability to draw meaningful insights and tell stories using data by offering an in-depth understanding of data wrangling, data analysis, interpretation and visualization of socio-economic data to guide decision-making and providing solutions. Students develop proficiency in Python, and its data analysis libraries (Numpy, pandas, Matplotlib), building a portfolio in data-driven decision-making and socio-economic data interpretation to support both private and public sectors navigate data, perform analytics and interpret visualizations to drive business decisions.

PROFESSIONAL WORK EXPERIENCE

Front End Engineer and Data Support Intern - Internship

June 2021 - December 2021

The African Leadership Group- Nairobi, Kenya (Working remotely).

As an A.L.X. Portal & Ecosystem intern, my responsibilities are as follows:

- Built front-end components for The Room's Young Leader Portal web application using VueJS & TailwindCSS as part of a team of 4 developers for a platform used by 800+ young leaders.
- Developed U.I. wireframes and high-fidelity designs for The Room's Young Leader Portal using Figma.
- Conducted data gathering, assessment and data cleaning on The Room's data of over 800 Young Leaders & over 2000 job opportunities using Spreadsheets & Python libraries such as Pandas, NumPy, Matplotlib & Seaborn.
- Improve on Data Visualization dashboards to communicate key data insights
- Matched over 200 Young leaders to job opportunities listed on The Room's Young Leader Portal.

During my time with The African Leadership Group, I became a competent software engineer, a highly adaptable individual capable of learning new technologies, a confident presenter, a collaborative team player and an individual with high professional, moral and ethical values in the workplace. Worked proficiently using Python and its libraries (NumPy, Pandas, Matplotlib, Seaborn), VueJS, TailwindCSS, Google Sheets and excel.

Website Management & Social Media Intern

September 2019 – December

2019The ALU School of Wildlife & Conservation – Kigali, Rwanda.

My responsibilities included:

- Increased traffic to the ALU School of Wildlife website by approximately 30% in the build-up to & during the 2019 B.C.C. conference held at the Kigali Convention Centre on Sept 8-9, 2019.
- Supervised the company's social media platforms, increasing social platform following by 21%.
- Designed graphic design posts and communication strategies for the company's social media platforms posting over 100 designs on their social platforms.

- Conducted Web Analytics using Google Sheets and Python libraries to draw insights into the website's performance.

This experience has been lesson-filled as it challenged me to learn on the go and grow personally and professionally to become a skilled planner, detailed graphics designer, communicator, organiser and conscientious team player. I take on any responsibilities given with an open mind, am willing to learn, and ask for feedback on completed tasks and support in areas of my shortcomings. Worked proficiently using HTML, CSS, Javascript and the popular web design tool, Figma.

Stakeholder & Communications Project Intern

June 2019 – September 2019

The ALU School of Wildlife & Conservation – Kigali, Rwanda:

- Produced high-quality graphic design content for social media platforms increasing the company page's likes by approximately 45%.
- Improved the company's communication strategies by utilising researched graphic design principles to create over 100 appealing designs used as marketing collateral.
- Supported the admission process of 25 ALU School of Wildlife & Conservation scholars by emailing them for data collection, cleaning collected raw data & analysing it and giving the department an analytical, quantitative view of the admissions process.

This experience has been paramount to my personal and professional development, making me a more responsible, independent, and self-disciplined individual. Commitment to any assigned task is of great importance to me, and I seek to deliver to the best of my ability.

EXTRACURRICULAR ACTIVITIES

Health-Tech Hackathon, African Leadership Academy (A.L.A)

July 2022 - September 2022

- Participated in an 8-week hackathon competition where teams were tasked with building innovative products demonstrating how healthcare can leverage machine learning to improve the patient experience.
- Worked in a team of 5 iteratively to deliver a fully functional minimum viable product

TEDxALURwanda Design Volunteer, Kigali, Rwanda

April 2019 - December 2019

- Actively contributed to organising the 1st ever TEDxALURwanda event as part of the marketing team.
- Designed over 30 social media content, marketing posts & strategies to promote the event using Adobe Photoshop Illustrator, Premiere Pro, and After Effects
- Actively produced event t-shirts for over 300 registered attendees to help promote the event.
- The 2019 event was a success, with over 300 attendees.

ATTRIBUTES AND SKILLS

- Fluent in SQL and Data Analytics with Excel, Google Sheets and knowledge of Data science and analytics principles
- Fluent in Python Libraries eg Pandas, NumPy, Matplotlib and Seaborn.
- Fluent in NoSQL databases, statistics, experimental design and relational databases.
- Proficient in Web Application Development with HTML, CSS, Javascript, PHP, NodeJS and VueJS Javascript Framework
- Well-developed interpersonal, written, presentation and reporting skills and excellent team and communication skills
- Proficient in the Software Engineering Principles such as Agile Software Development Lifecycle
- Honest, trustworthy individual with a high degree of personal integrity and efficiency
- Excellent team player with the ability to provide strategic insights and implementing feedback
- Able to strategically plan and prioritise work projects and schedules to meet deadlines and achieve desired results
- Flexible and adaptable individual with a readiness and willingness to learn
- Efficient time-management skills

INTERESTS

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|-----------------------------|----------------------------------|------------|
| • Data Science | • Internet of Things | • Robotics |
| • Machine Learning(Python); | • Web3 | • Football |
| • Sports Analytics | • Web Development(VueJS, NodeJS) | |

LANGUAGES

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| • English – Native | • Kiswahili – Native |
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