



NEWTON BRIAN WANYONYI NYONGESA

Date of birth: 11/05/2003 | **Nationality:** Kenyan | **Phone number:**

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ABOUT ME

Co-Founder and continuing informatics and computer science student with interest surrounding full web and software development stack. I am looking for an internship role where I can grow and learn from experienced team members while drawing on project experience from the vast experience in the field.

WORK EXPERIENCE

10/01/2024 – CURRENT Nairobi, Kenya

CHIEF EXECUTIVE OFFICER WORD AND LEARN

Co-founder and head of all things strategy

I also am head of all things UI/UX designs

helping in training the model and fine tuning the current system - abit of ALoRA

Business or Sector Education | **Email** newton@wordandlearn.com | **Website** www.wordandlearn.com

03/02/2024 – CURRENT Nairobi, Kenya

MARKET RESEARCH ANALYST EXTERN BEATS BY DRE

- Perform analysis of market trends and draw statistics
- Frequent company meetings and reports
- Presentation making and pitching of analysis and trends
- Data and information research and collection

Business or Sector Professional, scientific and technical activities | **Department** Marketing and Data Analytics |

Website <https://www.beatsbydre.com/>

01/02/2024 – CURRENT Nairobi, Kenya

FULLSTACK DEVELOPMENT INTERN SKY WORLD LIMITED

Engaging in full-stack web development projects, utilizing modern frameworks and languages to create responsive and user-centric solutions

Business or Sector Professional, scientific and technical activities | **Department** Technical Department |

Email info@skyworld.co.ke | **Website** <https://skyworld.co.ke/>

08/09/2023 – CURRENT Nairobi, Kenya

SCHOOL ACADEMIC SENATE STRATHMORE UNIVERSITY

Serving as the Senate vice chairperson.

- Embarking on various school projects for example the student Elimisha program that aims at offering students' scholarships.
- Maintaining the university class student-based leadership structure.
- Ensuring the smooth running of class programs and schedules.
- Organizing partnership company events and forums alike.

10/05/2022 – CURRENT Nairobi, Kenya

ST JOHN AMBULANCE SECRETARY STRATHMORE UNIVERSITY

- Play my administrative role as secretary which involved accounting of activities and record keeping.

08/06/2022 – CURRENT Nairobi, Kenya

STRATHMORE CHRISTIAN UNION STRATHMORE UNIVERSITY

• I serve as the head of the tech and media department. • My previous role was the head of bible study and evangelism.

08/09/2022 – 08/09/2023 Nairobi, Kenya

SCHOOL VICE PRESIDENTIAL SENATE STRATHMORE UNIVERSITY

Serving as the senate secretary 2.

- Maintaining the university club system.
- Ensuring the smooth running of clubs.
- Organizing of events and forums alike

01/01/2017 – 01/01/2020 Nairobi, Kenya

MEDICAL PREFECT ALLIANCE HIGH SCHOOL

Dispensed medication to all my peers.

- Administration of first aid.

01/01/2018 – 01/01/2020 Nairobi, Kenya

HOUSE ADMISTRATOR ALLIANCE HIGH SCHOOL

- Supported supervisors in managing school relationships with student agencies.
- Provided information necessary to complete forms and reports for official review.
- Procuring supplies needed to conduct and sustain house sessions.
- Conducting Weekly inventory of hostel consumables.

13/12/2023 – CURRENT Nairobi, Kenya

PROJECT MANAGER STRATHMORE COMPUTING AND ENGINEERING STUDENTS ASSOCIATION

Co- ordinate and oversee all the events happening with and or within the SCESA structure

Also plan and co-ordinate all communities under SCESA ie:

MLSA(Microsoft lead student ambassadors.)

UI PATH.

Intel Strathmore community .

IET chapter - Strathmore .

Business or Sector Information and communication | **Email** scesa@strathmore.edu

● **EDUCATION AND TRAINING**

26/06/2021 – CURRENT Nairobi, Kenya

COMPUTER SCIENCE BACHELORS DEGREE Strathmore University

Positions held/currently holding.

- Debate club member
- St John Club
- Table tennis
- Red cross
- Microsoft student club
- SCESA club.

Website <https://strathmore.edu/> | **Field of study** Informatics and Computer Science

07/01/2016 – 10/04/2021 Nairobi, Kenya

HIGH SCHOOL DIPLOMA Alliance High School

Positions Held.

- Medical committee (Administrator and prefect)
- Rotary club
- Debate club
- Drama club

-Science and Robotic club.

Website [https://en.wikipedia.org/wiki/Alliance_High_School_\(Kenya\)](https://en.wikipedia.org/wiki/Alliance_High_School_(Kenya)) |

Field of study Natural sciences, mathematics , statistics and Humanities

● **LANGUAGE SKILLS**

Mother tongue(s): **KISWAHILI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
FRENCH	A1	A1	A1	A1	A1
LUHYA	A2	A2	A2	A2	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Good knowledge of Microsoft tools (Microsoft Word, Microsoft Excel, Microsoft PowerPoint) | react framework | Hypertext Markup Language(HTML) | Cascading Style Sheet(CSS) | Python(Basics) | Javascript(JS) | PHP | Java | Bootstrap framework | C++

● **RECOMMENDATIONS**

Kahindi Anthony Mentor at Strathmore University

Anthony Kahindi has been an invaluable personal mentor during my continuing academic tenure at Strathmore University. Mr. Anthony has consistently provided guidance and support that transcends the conventional mentor-mentee relationship. His approach combines a profound understanding of academic rigor with a personal touch that inspires confidence and fosters personal growth. Through his mentorship, I have developed critical thinking skills, honed my academic pursuits, and learned the importance of ethical leadership. Mr. Anthony's influence has been pivotal in shaping my career path and personal development.

Email akahindi@strathmore.edu | **Phone** (+254) 254721546031

Link <https://srcc.strathmore.edu/personnel/anthony-kahindi/>

Dr. Barasa Davis Lecturer(Technical University of Kenya & Strathmore University)

Dr. Barasa Davis, has profoundly impacted my understanding of economic theories and their real-world applications. His dynamic teaching style and comprehensive lectures have not only solidified my academic foundations but also ignited a passion for the field of Economics. His willingness to engage in thought-provoking discussions both inside and outside the classroom has greatly enriched my learning experience. His mentorship has been pivotal in guiding my academic research and fostering a critical analytical mindset, providing insightful advice that enhanced my decision-making skills. His dedication to student success is evident in his hands-on approach to mentorship and his commitment to providing resources and opportunities that align with career aspirations.

Email dbarasa@strathmore.edu | **Phone** (+254) 254728887637

Link <https://staff.tukenya.ac.ke/?r=portal/profile/public&id=994>

● **PROJECTS**

Secure me

Secure me-A web based platform aimed at easening the process of analysis and relationship detection in the current criminal system, by leveraging the power of Graph Databases

Link <https://github.com/newtvn/secureme>

LittleVisions

LittleVisions is a web-based platform designed to unleash the creativity of children by allowing them to create their own interactive stories, by harnessing the power of Generative AI.

Link <https://github.com/newtvn/littlevisions>

Safetyaro

Safetyaro-a food safety company that deals with the safety of food substances.

Link <https://newtvn.github.io/Safetyaro/>

Simple survey application

Simple survey application-This project comprises a web-based Survey application that allows users to respond to survey questions and view all responses. It is divided into three main components.

Link https://github.com/newtvn/simple_survey_client

Massive dataset by Amazon

Massive dataset by Amazon-This project puts a key emphasis on the efficient management of the dataset while addressing potential challenges related to memory and time complexity.

Link https://github.com/newtvn/CG_cat

Heartcall

Heartcall-A mobile based application that deals with linking fast response services to health-needy people.

Link <https://github.com/newtvn/HeartCall>

File Verification Application

The File Verification Application is designed to validate and process CSV files containing user data. It ensures that each entry in the CSV file has a valid ID number, mobile number, and email address as per the specified formats.

Link https://github.com/newtvn/file_verification_app

Urban Rush/Monkey Rush

Urban/Monkey Rush is a 3D simulation of a monkey driving a car through a simulated city zoo scape. This project is developed in C#, designed in Blender, and deployed using Unity. It aims to provide an interactive driving experience.

Link <https://github.com/newtvn/UrbanRush>

● HONOURS AND AWARDS

Cisco web development. – Cisco Systems

Completed a comprehensive web development course offered by Cisco, acquiring essential skills in web technologies and best practices.

Link <https://www.cisco.com/>

Oracle Certificate of Excellence – Oracle

Participated in the Oracle hackathon in Kenya and some countries in East and Central Africa, emerging as runners-up.

Link <https://www.oracle.com/ke/>

Certificate of Excellence – Rotary club Alliance High School

Achieved certificate through effectively helping with the Rotary Club.

Link <https://rotarynairobi.org/>

A2SV Hackathon Semi-Finalist – Africa to Silicon Valley(A2SV)

Awarded to me for making it to the semifinals of the Africa to Silicon Valley hackathon dubbed A2SV.

Certificate of Excellence – Cisco

Earned certification through Cisco's DevNet program, demonstrating proficiency in developing and maintaining applications built on Cisco platforms.

Link <https://www.cisco.com/>

Certificate of Completion – St John Ambulance

Certified by St. John Ambulance after successfully completing a comprehensive first aid training program, ready to provide emergency care.

Certificate of Participation – Oracle

Received for exceptional performance and mastery over Oracle technologies, demonstrating advanced proficiency in Oracle solutions, and participating in the Oracle Bootcamp and Hackathon.

Link <https://www.oracle.com/ke/>

Certificate of Participation – Youth Africa Energy Summit

Acknowledged for active participation in the Africa Energy Summit held at the Kenya International Convention Centre (KICC), contributing to discussions on sustainable energy solutions in Africa.

Link <https://www.youth-energy-summit.com/>

07/11/2024

National research Fund Finalist – National Research Fund

A hackathon aimed at fostering innovation among kids held , organized and hosted by the National Research Fund under the Kenyan government.

Link <https://www.youtube.com/watch?v=bDDXFeIRJak>

● EXTRA-ACHIEVEMENTS

Personal notable achievements.

Participated in the Oracle hackathon in Kenya and some countries in East and Central Africa where I emerged as runners-up.

- Achieved certificate through effectively helping with the Rotary Club.
- Successfully managed to handle major roles in school, for example being in the school senate.
- Received a certificate of excellence while being involved in the above mentioned clubs.
- Currently in the semifinals of the Africa to Silicon Valley hackathon dubbed A2SV.
- Volunteered at Moi Avenue Primary School and St John Headquarters during my school break.
- Several projects highlighted by my 3rd year introduction project which was a criminal mapping and analysis platform.