

STEPHEN APPIAH DWUMFOUR

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SUMMARY

A detailed oriented dynamic individual with a background in science and technology and passion for leadership, I transition between research, design, and web development. I am ready to merge critical scientific reasoning skills and creativity with technical web development knowledge to solve problems and drive change.

SKILLS

Programming Languages: JavaScript, Python, PHP, R | **Web Technologies:** HTML5, CSS3, Node.js, React, Django

Databases: MongoDB, DynamoDB | **DevOps & Tools:** Git, Jira | **Design and Editing:** Adobe Suite

Personal Attributes: Team Player, Good communication and interpersonal skills, Adaptability, Critical thinking and Analytical Skills, Work under less or no supervision., Ability to work under stress.

Languages: Fluent in English, Native Akan, and Basic French

PROJECTS

Hotell

Academic Coursework Project

- academic solo web development project
- used HTML and CSS to design the page
- integrated JavaScript for button functionality
- interacted with an API, fetched data and displayed it using JavaScript

Research-lab

Academic Coursework Project

- academic solo web development project
- used HTML and CSS to design the page

WORK EXPERIENCE

TWELLIUM INDUSTRIAL LTD.

Accra, Ghana

Quality Control Officer

Nov. 24 to Feb.25

- monitored food production and processes ensuring compliance with GMP, HACCP, and TACCP Plans
- conducting sensory evaluation, analyzing microbiological, and physiochemical parameters, ensuring products meet quality specifications and safety requirements.
- collaborated with production, research, and development teams to improve product quality and safety
- supervised and educated 200+ auxiliary/casual workers on food safety and quality

NICHE COCOA INDUSTRY LTD.

Accra, Ghana

Quality Control Analyst

Oct. 23 – Nov. 24

- conducted microbiological and physiochemical tests and analyses on cocoa products throughout the processing stages ensuring compliance with quality specifications which improved product reliability
- successfully performed data cleaning, analysis, and visualization from quality tests and identified trends, deviations, or areas for improvement in the production process
- monitoring, validating, and verification of HACCP Plan and Food Safety Management System
- documenting and reporting of quality test results

JUDAVE INTERNATIONAL SCHOOL

Kumasi, Ghana

Pupil's Teacher

2018 – 2019

- planned, prepared, and presented lessons that improved the academic performance of 50+ students

- established and reinforced positive classroom and behavior management procedures
- assessed 50+ students through standardized tests, grading and providing feedback to the pupils and parent

INTERNSHIPS

AUSTRALIAN LABORATORY SERVICES

Kumasi, Ghana

Chemist (Intern)

May – August 2022

- assisted workers in sorting/layout, weighing, crushing, splitting, and pulverizing ensuring samples are better prepared for geochemical and analytical analysis
- digested samples and analyzed the amount and purity of gold using analytical instrumentation techniques
- gained practical knowledge in weighing and fire assay procedures through working with experienced senior employees in this field

UNDERGRADUATE RESEARCH

Physico–Chemical Assessment of Effluents from a Pharmaceutical Manufacturer and Treatment using Activated Carbon: A Case Study of Kinapharma Company Limited.

EDUCATION

MELTWATER ENTREPRENEURIAL SCHOOL OF TECHNOLOGY

Accra, Ghana

Website Development

Feb – May 2025

UNIVERSITY OF CAPE COAST

Cape Coast, Ghana

Bachelor of Science (Laboratory Technology)

2019 – 2023

Cumulative GPA: 3.2/4.0

ACTIVITIES

G-SILTSA

Accra, Ghana

National President

2022/2023

- supervised, managed, and coordinated all the activities of the national association
- organized a successful national conference and congress which had in attendance 1000+ students from five institutions in Ghana

UNIVERSITY OF CAPE COAST (LABSTAG)

Cape Coast, Ghana

Program and Course Representative – 2019/2020 academic year

2019 – 2022

Academic Vice Chairperson – 2020/2021 academic year

President –2021/2022 academic year

- acted as a liaison between 500+ students and the academic leaders effectively communicating students' needs and fostering collaboration
- oversaw all the activities of the association
- organized trips, Seminars, Dinner, and other programs successfully
- represented 1000+ students in faculty and school board meetings

BAREKESE SHS

Kumasi, Ghana

NSMQ Captain

2018

- represented the school in the National Science and Math Quiz Competition, won district championship and placed second in regional championship.
- won General Essay Competition.

CERTIFICATIONS

ISO 22000:2018 – Elements of FSMS (Alison) | Fundamentals of Web Development (IBM) - [Certificate](#)

Microsoft Office (Alison) - [Certificate](#) | Digital Marketing (Google) - [Certificate](#)