

## **WILLIAMS KYEI (CV)**

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### **EDUCATION**

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#### **Kwame Nkrumah University of Science and Technology (KNUST)**

BSc. Computer Science (First Class)

CWA: 71.08/100

Kumasi, Ashanti Region

2017 - 2021

#### **Ghana Senior High School**

W.A.S.S.C.E (General Science)

Dodowa, Greater Accra

### **TECHNICAL SKILLS**

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**Skills:** Software Engineering, Web Development, API Development, Data Structures and Algorithms, Mobile Applications Development, Machine Learning, Blockchain, Networking, Graphic designing, Research and Teaching, ACL Robotics Analytics, AWS Cloud Computing, Continuous Integration and Continuous Delivery (CI/CD), Git

**Languages:** Node.js, PHP, Java, Python, C++, Solidity, JavaScript (Typescript), SQL, HTML & CSS, ACL

**Databases:** SQL, Oracle SQL, Microsoft SQL, Postgres, MySQL, MongoDB

**Frameworks:** Laravel, React.js, Next.js, jQuery, Hardhat, Web3.js

**Data Analytic Software:** Advanced Excel, Power BI, Tableau, ACL

### **WORK EXPERIENCE**

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#### **❖ Technical Manager**

Rhythex Consulting Ghana

Nov. 2022 till date

- Successfully led and supervised all technical operations and personnel, ensuring smooth and efficient workflows.
- Conducted in-depth data analysis for financial institutions, specifically focusing on revenue assurance and fraud detection, contributing to enhanced financial security.
- Led the execution of data loading and transformation processes into standardized models, contributing significantly to the advancement of business intelligence tools. Innovatively developed monitoring scripts using ACL, Python, and SQL, showcasing a commitment to optimizing operational processes and improving overall efficiency.
- Provided valuable training to staff members from various financial institutions, equipping them with advanced data analysis and SQL skills, thereby enhancing the overall skill set within the team.
- Played a key role in assisting research on "Cybersecurity Risk Assessment: A Comparative Analysis of Data Breach Vulnerabilities Between Cloud and On-Premises Security Solutions."
- Successfully trained AI models for predictive assessment of customer risk levels, contributing to more informed decision-making processes.
- Effectively managed and ensured the up-to-date status of the organization's website and mail server, demonstrating strong IT management skills.
- Leveraged creative design skills in Adobe InDesign, Photoshop, and Illustrator to produce visually appealing and effective flyers and cards for various purposes.

#### **❖ Intern Computer Scientist**

Judicial Service of Ghana

Sep. 2021-Sep 2022

- Streamlined web page functionality by efficiently resolving bugs and implementing UI enhancements, leading to an improved user experience. Demonstrated adaptability and skill in managing web content through Joomla CMS, ensuring the integrity of the website.

- Successfully diagnosed and resolved a diverse range of computer and network issues, showcasing proficiency in both hardware and software problem-solving.
- Played a crucial role in maintaining the smooth operation of computer systems, contributing to increased overall organizational productivity.
- Designed and developed a customized application for managing staff records and inventory, resulting in a more organized and streamlined data management process.

#### ❖ **Teaching Assistant**

May 2019 – Aug 2019

Codetrain Software Training Hub

1. Successfully instructed and mentored students at the Basic and Junior High levels in programming, fostering their development in creating various applications thereby contributing to the growth of the next generation of programmers by sharing knowledge and practical skills.
2. Played a key role in the creation of programming course content and teaching materials, ensuring that the curriculum is comprehensive and up-to-date.
3. Developed significant expertise in identifying and resolving bugs, showcasing a high level of proficiency in troubleshooting and debugging.

#### ❖ **Tutor**

Sep 2016 – Aug 2017

Minnesota Junior High School

- Imparted knowledge to students by grooming through effective teaching techniques.
- Conducted feasibility study to determine acquisition level of students during lessons administered.
- Prepare terminal reports for students to evaluate their performances in their exams.

## PROJECTS

#### ❖ **Ghana Commercial Bank BOG File Preparation App**

Jun 2023 – Aug 2023

- Designed and implemented a user-friendly interface that allowed bank personnel to easily input and organize financial data, ensuring accuracy and compliance with BOG guidelines.
- Integrated the app with the bank's existing data sources, automating data retrieval and update processes, which significantly reduced manual data entry and saved countless hours of labor.

#### ❖ **Rapid School Management Web App (Assisted)**

Jul 2023 – Sep 2023

- Designed and implemented an intuitive web-based platform that centralizes school administration, enabling efficient management of student records, class schedules, attendance, grades, and teacher-parent communication.
- Utilized modern web technologies, including JavaScript, PHP and SQL to create a responsive and user-friendly interface accessible on various devices, enhancing the user experience for all stakeholders.

#### ❖ **Campus Hype Crew Advertisement and Blogging Website**

Feb 2022 – Nov 2022

- Developed advertising and blogging website for university entrepreneurs to showcase their businesses and sell their products.
- The frontend interface was developed using ReactJS and built a robust backend API with Laravel PHP Framework using MySQL as database.

#### ❖ **Holgist Hotel Management App, Final Year Project (2-man team)**

Mar 2021 – Aug 2021

- Designed and implemented an intuitive user interface for both hotel staff and guests, facilitating efficient check-ins, check-outs, and room reservations.
- Utilized modern technologies such as Flutter, JavaScript and SQL to create a responsive, cross-platform application, ensuring accessibility on various devices.

#### ❖ **Face Detector AI (Assisted), Final Project, Kumasi Hive Hub**

Aug 2018

## PROFESSIONAL DEVELOPMENT

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### ❖ Presentations

- Big Data Analytics, Rythex Consulting Ghana Annual Training Fair, Greater Accra, Ghana March 2023

### ❖ Workshops/Conferences

- Social Entrepreneurship Conference for Tech Visionaries Kumasi, Ghana August 2021
- Data Analysis with Python Workshop for Computer Scientists, KNUST September 2019

## LEADERSHIP EXPERIENCE

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- Technical Lead, Rhythex Consulting Ghana 2022 till date
- Executive Member, Google Student Club 2020 - 2021
- Publicity Head, Ghana Methodist Students' Union KNUST 2018 - 2019
- Quiz Team Lead, Ghana National Science and Math Quiz Club. 2015 - 2016

## VOLUNTEER EXPERIENCE

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- Tutor, Computer Science Tutorial Organized by KNUST Science Students Association
- Volunteer, Hacklab Foundation Annual Hackathon
- Member, Action Chapel International IT & Media Team

## HOBBIES

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Continuous learning, personal software projects, and mentoring while actively participating in hackathons, networking to expand industry connections.

## REFEREES

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1. Prof. Michael Asante  
Former Head of Department, Computer Science Department  
Kwame Nkrumah University of Science and Technology  
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2. Dr. Kwame Ofusuhene Peasah  
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