

NYARKO RICHARD KWASI

nyarkorichardkwasi@gmail.com | +233 509646681

linkedin.com/in/richard-nyarko-66aabb2a8

Accra, Ghana

PROFILE

A passionate and innovative aspiring Computer Scientist with strong foundations in mobile and web development using Java, C++, and HTML/CSS. Demonstrated leadership in STEM innovation, project development, and youth mentorship. Eager to contribute technical expertise and creative problem-solving in dynamic tech-driven environments. Strong communicator, critical thinker, and goal-oriented individual who thrives in collaborative settings.

EDUCATION

Kwame Nkrumah University of Science and Technology (KNUST)
BSc. Computer Science | 2024 – Present (Expected)

St. Peter's Senior High School, Nkwatia, Ghana
General Science | March 2021 – September 2023

ACHIEVEMENTS

- Winner, Best STEM Innovation Award 2023, Ministry of Education – Ghana
- Google Foundations of UX Design Certificate
- ALX & Mastercard Foundation AI Prompting Certificate
- Critical Thinking Certificate (Coursera)
- National Debaters Competition – 2nd Place, 2023
- Developed a solar-powered irrigation system using sensors and C++
- Creator and curator of writings on Instagram @_i.reckon

PROJECTS / RESEARCH EXPERIENCE

- Smart Irrigation System: Designed a solar-powered irrigation system using Java and C++ to control water flow based on moisture sensors, reducing leaching and erosion.
- School Network Optimization: Conducted IT network analysis with Kelvin Dadzie to enhance connectivity and device management on campus.
- Elective Biology Research Project: Collaborated with Mr. Anim Harford on projects examining biological processes and environmental interactions.

PROFESSIONAL DEVELOPMENT & TRAINING

- Mobile Development with Java and C++ (Independent Study, Online Platforms)

- Web Development using HTML/CSS and JavaScript (Coursera/Udemy/YouTube tutorials)
- Photography & Editing (Udemy & Coursera)
- UX Design (Google Certificate)
- AI Prompting (ALX Africa & Mastercard Foundation)

LEADERSHIP EXPERIENCE

President, Robotics Club

- Taught programming (Java, HTML/CSS, C++) to over 50 members
- Oversaw development and exhibition of multiple student-led tech innovations

Co-President, Writers & Debaters Club

- Spearheaded debates and writing workshops
- Mentored new members and coordinated national debate participation

VOLUNTARY / EXTRA-CURRICULAR ACTIVITIES

- Portrait & Street Photographer: Documented stories and visuals of everyday life and national culture
- Contributor and editor for school newsletter and blogs
- Active member, Pentecostal Church of Ghana

SKILLS & COMPETENCIES

Technical Skills:

- Programming: Java, C++, HTML, CSS, JavaScript
- Tools: Visual Studio Code, GitHub, Arduino IDE
- Web Design and User Experience (UX)
- Mobile App Development

Soft Skills:

- Leadership & Team Collaboration
- Public Speaking & Critical Thinking
- Problem Solving & Innovation

Languages:

- English (Fluent)
- Spanish (Basic)

- French (Basic)

REFEREES

Mr. Seth Koranteng Gyamfi
Elective Mathematics Teacher
St. Peter's Senior High School
0509646681 | sethgyamfi@example.com

Mr. Anim Harford
Elective Biology Teacher
St. Peter's Senior High School
animharford@gmail.com

Kelvin Dadzie
Research Collaborator
+233 53 521 3896 | kelvindadzie848@gmail.com