

## BRIGHT KWAME ARKU

P.O BOX 276 Teshie Nungua Estate, Accra-Ghana | +233 242 762 856  
[arku.bright.kwame@gmail.com](mailto:arku.bright.kwame@gmail.com) | LinkedIn: [linkedin.com/in/bright-arku](https://www.linkedin.com/in/bright-arku)

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### PROFESSIONAL SUMMARY

Electrical Engineer with 3+ years of experience in designing, inspecting, and calibrating electrical systems. Expertise in process optimization and compliance with international standards.

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### EDUCATION

#### BSc. Electrical and Electronic Engineering

Kwame Nkrumah University of Science and Technology, Kumasi

2018 - 2022

#### General Science

Akwamuman Senior High School, Akosombo

2014 - 2017

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### EXPERIENCE

#### Assistant Electrical Engineer (Contract)

Electricity Company of Ghana, Accra

Nov 2023 - Present

- Developed transformer drawings in AutoCAD, improving productivity.
- Created checklists reducing Type Test review time by 50%.

#### Graduate Electrical Engineering Trainee

Electricity Company of Ghana, Accra

Nov 2022 - Oct 2023

- Designed a checklist reducing review errors.
- Improved defect detection during tests.

#### Electrical Engineer Intern

Japan Motors Company and Trading Limited, Accra

Oct 2021 - Jan 2022

- Calibrated equipment, increasing efficiency by 80%.
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### CERTIFICATIONS & SKILLS

- **Certifications:** AI Career Essentials, Green Digital Skills
  - **Technical Skills:** AutoCAD, MATLAB, Python, Java, HTML, CSS, JavaScript
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### PROJECTS

#### Personal Website

- Created a website-based project using GitHub. (<https://torredobello.github.io/>)

#### Hybrid Solar-Wind System Optimization

- Enhanced power and system reliability using Genetic Algorithm.

#### DG Placement Optimization

- Minimized losses using Genetic Algorithm.
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### VOLUNTEER & LEADERSHIP EXPERIENCE

- Youth Financial Secretary (Dominion Youth Ministry): Achieved financial stability (2023 – Present)
- National Science and Math's Quiz (NSMQ) Team Lead: Increased study efficiency (2015 – 2017)
- **Ocean Literacy Volunteer:** Promoted sustainability (2023 – Present)
- **Green Energy Awareness:** Taught conservation principles (Nov – Dec 2023)
- **Peer Pressure Counseling:** Advised students on discipline and academic excellence (May - Jun 2019)