

# ERNEST TAKYI

## Summary

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Skilled at diagnosing faults, completing tests and checking compliance against specifications, quality-driven and service-oriented with clear attention to detail and hardworking nature. Strong oral and written communication, problem-solving and time management abilities.

Committed job seeker with a history of meeting company needs with consistent and organized practices. Skilled in working under pressure and adapting to new situations and challenges to best enhance the organizational brand.

## Experience

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**01/2025--- Current      SUPERVISOR/INCHARGE 01/2025 --- Current**  
**F ZEINI Company Limited**

- Track and Improved automated machinery performance, resolving technical problems to reduce downtime and sustain output.
- Manage a group of two technicians and operators, supervising work distribution, performance reviews, and instruction in safety procedures and machine operation.
- Supervise daily operations on the automated bottled water production line, ensuring efficiency, quality control, and compliance with safety standards.
- Make sure that company quality assurance requirements and industry laws (such as FDA, ISO, and HACCP) are strictly followed.
- Conduct routine inspections and coordinate maintenance schedules to prevent equipment malfunctions.
- Manage inventory of raw materials and packaging supplies, ensuring adequate stock levels for uninterrupted production.

**02/2024---08/2024      GREEN ENERGY OUTREACH**  
**Koforidua Technical University**

- Organized workshops, seminars, and community outreach programs on sustainable energy.
- Coordinated technical projects focused on renewable energy solutions for local communities.
- Facilitated partnerships with industry experts to enhance learning opportunities for students.

**03/2023—10/2023**

**INTERNSHIP 03/2023-10/2023**

**Koforidua Technical University, Koforidua Ghana**

- Diagnosed air conditioning problems and addressed issues with low voltage, compressors, reverse valves, blowers and condenser motors.
- Wired both line and low voltage to heating and cooling equipment.
- Worked with team members to promote great customer service and pleasant work environment.
- Observed athletes and tweaked functional movement patterns to maximize performance.
- Completed ground, attic and roof installations.
- Removed debris and swept up dust from installations to maximize customer satisfaction.
- Completed installation and repair jobs using hand tools, power tools and specialized equipment.
- Performed all work in accordance with established safety procedures.
- Examined environmental control and stationary systems to diagnose problems

**10/2021---10/2022**

**TEACHING ASSISTANT 10/2021 - 10/2022**

**Koforidua Technical University, Electrical Department, Koforidua, Ghana**

- Established positive relationships with students, parents, fellow teachers and school administrators.
- Assisted teachers with lesson preparation and curriculum implementation.
- Helped students master learning concepts through one-on-one and small group tutoring.
- Helped students master assignments and reinforced learning concepts presented by teachers.
- Instructed and monitored students in use and care of equipment and materials.
- Organized student performance and enrichment activities to facilitate learning.

**09/2019 - 09/2020**

**MAINTENANCE COORDINATOR**

**Deeper Life Bible Church, Koforidua, Ghana**

- Determined strengths and weaknesses of team members and assigned tasks according to skill level.
- Managed schedule of repairs to guarantee arrival of parts, equipment and resources needed to satisfy job requirements.
- Trained newer staff members to properly and effectively use on-hand tools and equipment to avoid mishaps or inefficiencies.
- Completed repairs and lighting work while being mindful of electrical wiring.

**06/2019 - 09/2019**

**ELECTRICAL APPRENTICE (INTERNSHIP)**

**Nyame Akwan Electricals, Techiman, Ghana**

- Worked in team-based environment to accomplish projects.
- Operated hand and power tools and diagnostic equipment to complete various aspects of jobs.
- Assisted with electrical installation tasks, added new wiring and adjusted breaker boxes.
- Installed new electrical components, fixtures and motors.
- Listened to directives of senior electrical professionals to complete efficient tasks.
- Adhered to company standards and OSHA regulations for work site safety.
- Kept work areas clean, neat and organized for efficient operations.
- Inspected existing wiring to identify short circuits.
- Examined and tested electrical systems to locate loose connections or other faults and make proactive repairs.

## **Education**

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**01/2022---10/2023**

Bachelor of Technology,  
Renewable Energy Systems Engineering (Top Up)  
Koforidua Technical University  
Koforidua, Ghana

**08/2018---09/2021**

HND/Associate Degree,  
Electrical and Electronics Engineering  
Koforidua Technical University,  
Koforidua, Ghana

**09/2014----06/2017**

West Africa Secondary School Certificate Examination,  
General Science  
Presbyterian Senior High School,  
Bechem, Ghana

## **Skills**

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- Knowledge of electrical power systems and grid integration
- Proficiency in renewable energy systems design and analysis
- Experience in hardware design and PCB layout.
- Familiar with renewable energy technologies (e.g., MATLAB, PVSyst, C++, HOMER etc.)
- Competence in electrical circuit design and analysis.
- Strong grasp of electrical engineering principles and their application to renewable energy systems
- Effective communication and teamwork abilities for collaborating on interdisciplinary projects.
- General knowledge on motors and electrical switchgears

## **AWARDS**

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2023 First Class (CGPA of 4.46/5.0)

2023 Valedictorian (Bachelor, Department of Energy Systems Engineering)

Valedictorian (Techiman Methodist Junior High School, 2014)

## **Language**

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English (Professional-C2)

Twi (Professional-C2)

German (Beginner-A1)

## **Reference**

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Mr. Obed Doku  
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