

Ebenezer Sagoe

Electrical Engineering (Power Systems)

Gainesville, VA | [LinkedIn](#) | [GitHub](#) | [Email](#) | (909)-560-9988

WORK EXPERIENCE

Dynaletric Washington, DC

Electrician

Washington, DC

March 2025 – Present

- Installed and routed electrical conduit and conductors for commercial construction projects in compliance with NEC requirements.
- Read and interpreted electrical drawings, wiring diagrams, and layout plans to support accurate installation.
- Assisted with branch circuit installation, lighting systems, and receptacles, including work at elevation using scissor lifts.
- Performed grounding and bonding tasks under supervision, reinforcing safe electrical system operation.
- Gained hands-on exposure to real-world electrical distribution systems used in large commercial facilities.
- Followed OSHA safety practices and lockout/tag out procedures to maintain a safe work environment.

Capstone Project

Confidential Client, Design Engineer

Lewisburg, PA

August 2021 – April 2022

- Designed a water collection system integrating electrical components, sensors, and embedded control hardware.
- Integrated power supply components to ensure stable and reliable operation.
- Used SolidWorks to design and fabricate mechanical components supporting the electrical system.
- Collaborated in a multidisciplinary team to deliver a functional engineering product.

Ghana Civil Aviation Authority (GCAA)

Power Systems Engineering Intern

Accra, Ghana

June 2021 – August 2021

- Supported maintenance and troubleshooting of facility power systems, including generators and electrical distribution equipment.
- Assisted engineers in inspecting power infrastructure supporting airfield lighting, communications, and airport operations.
- Learned best practices for fault reporting, documentation, and corrective action in safety-critical environments.
- Gained exposure to power systems that supports continuous, high-reliability aviation operations.

LEADERSHIP EXPERIENCE

Bucknell Institute of Electrical and Electronics Engineers (IEEE)

Vice President

Lewisburg, PA

January 2020 – January 2021

- Supported organizational governance updates and coordinated academic and community-building events.

Sikapp (Startup)

Lead UI/UX Designer

Accra, Ghana

July 2017 – August 2020

- Led UI/UX design for a mobile application, collaborating with developers and stakeholders.
- Produced standardized design documentation and accessibility-compliant interfaces.

EDUCATION

Bucknell University

BS in Electrical Engineering,

Lewisburg, PA

Graduation Date: July 2025

- Relevant Coursework: Power Systems, Renewable Energy Systems, Power Electronics, Control Systems
- Organizations: IEEE, NSBE

CERTIFICATIONS

Certifications: OSHA 10 - Construction | NFPA 70E Arc Flash Safety

SKILLS & INTERESTS

Skills: Circuit Design & Analysis | NEC Familiarity | Electrical Safety | Technical Writing | Test Equipment Experience | Python | MATLAB | Multisim | Arduino | SolidWorks | PCB Design

Interests: Power Systems | Battery Technology | Solar/PV Systems | Home Automation