

# Ebenezer Sagoë

Electrical Engineering (Power Systems)

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## WORK EXPERIENCE

### Dynalectric 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