

Ebenezer Sagoe

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WORK EXPERIENCE

Dynaletric Washington, DC

Washington, DC

Electrician

March 2025 – Present

- Assisted in conduit bending, pipe laying and pulling wire according to NEC standards.
- Read and interpreted blueprints and wiring diagrams to plan installations.
- Installed wiring, outlets and lighting fixtures on the ground or while elevated on a scissor lift.
- Maintained a safe work environment following OSHA and company safety protocols.

Capstone Project

Lewisburg, PA

Confidential Client, Design Engineer

August 2021 – April 2022

- Designed and implemented a stable and robust system for water collection from water bodies.
- Worked with appropriate industry-level hardware and coded it to enable functions towards our goal.
- Utilized tools such as SolidWorks to design and fabricate a water collection method.

Ghana Civil Aviation Authority (GCAA)

Accra, Ghana

Power Systems Engineering Intern

July 2021 – August 2021

- Underwent training on maintaining and troubleshooting generators, lights and air conditioners.
- Trained in best practices on reporting and documenting faults that occur in power equipment.
- Gained knowledge on air traffic systems and to operate and maintain their equipment.

LEADERSHIP EXPERIENCE

Bucknell Institute of Electrical and Electronics Engineers (IEEE)

Lewisburg, PA

Vice President

January 2020 – January 2021

- Assisted in amending language in the Bucknell IEEE constitution and by laws to be more inclusive.
- Organized community building events such as online game nights and study jams as well as an in-person event while following COVID-19 guidelines.

Sikapp

Accra, Ghana

Startup, Lead UI/UX Designer

July 2017 – August 2020

- Led the design and development of the mobile interface for a flagship application, ensuring an intuitive, user-centric experience aligned with client goals.
- Utilized tools such as Adobe Illustrator and Sketch to deliver polished, scalable UI components that adhered to accessibility standards and modern design principles.
- Developed a design bible that served as a foundational document for the app's branding and future design updates.

EDUCATION

Bucknell University

Lewisburg, PA

BS in Electrical Engineering,

Graduation Date: July 2025

- Organizations: Institute of Electrical and Electronics Engineers (IEEE), National Society of Black Engineers (NSBE)

CERTIFICATIONS

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

SKILLS & INTERESTS

Skills: Circuit Design | Circuit Analysis | Technical Writing | Test Equipment Experience | Python | MATLAB | Multisim | Arduino | CAD | PCB Design | Illustrator | Photoshop

Interests: Battery Technology, Solar/PV Systems, Home Automation, Graphic Design, Sports Analytics, Weight Training