Joseph Sackitey

(223)-388-9265 | [Email](#) | [Linkedin](#) |
[Portfolio](#) | [Github](#)

EDUCATION

Gettysburg College   Gettysburg, PA
Bachelor's Degree, Computer Science and Physics   *May,2027*
Relevant Coursework: Data Structures, FullStack Web Development, Linear Algebra, Object-Oriented Programming, Calculus 1–3

TECHNICAL SKILLS

- **Languages & Frameworks**: Python, Java, HTML, CSS, JavaScript, Node.js, Express.js, React, C, Bootstrap,SQL, PostgreSQL,APIs, Git Bash

PROFESSIONAL EXPERIENCE

Sustainability intern   May 2024 - August 2024
Gettysburg College   *Gettysburg, PA*
- Improved and successfully updated information on the Campus Climate Change and Sustainability Website.
- Supported Facilities Services leadership in developing and implementing initiatives directly impacting Gettysburg College's Sustainability Tracking, Assessment and Rating System (STARS) assessment.
- Developed a communication plan for Facilities Services sustainability efforts on campus.

Engineering intern   May 2022 - August 2022
Center for Scientific and Industrial Research   *Kumasi, Ghana*
- Designed interactive web dashboards using Bootstrap, CSS, and JavaScript to visualize drone data and provide actionable insights for farmers.
- Gained hands-on experience with drones and sensors, including setup, configuration, maintenance, and troubleshooting.

PROJECTS & OUTSIDE EXPERIENCE

[**Simon Game**](#) | *HTML, CSS, Javascript, jQuery*
- Developed an interactive Simon game using JavaScript, jQuery, HTML, and CSS, incorporating dynamic gameplay and responsive animations to create an engaging user experience.
- Implemented game logic to track and compare user input against randomly generated patterns, including features like level progression, game restart, and visual/auditory feedback for success or failure.

[**Portfolio Website**](#) | *HTML,CSS,Javascript*
- Designeda responsive portfolio website from scratch using HTML, CSS, and JavaScript to showcase personal projects and skills.
- Implemented dynamic features and interactive elements using JavaScript, enhancing user engagement and improving site functionality.

[**Bluetooth Controlled Robotic Arm**](#) | *Java, Python, Kotlin, C, Android Studio, Arduino*
- Designed and 3D printed a robotic prosthesis that can be remotely controlled via an Android mobile app through an integrated Bluetooth sensor.
- Engineered each finger for independent articulation, enabling a six-degree range of movements and functions such as gripping and holding objects.

[**AdBlocker**](#) | *Javascript, JSON*
- Developed a custom Chrome extension from scratch incorporating Manifest V3 for enhanced security and performance.
- Implemented advanced ad-blocking functionality utilizing the declarativeNetRequest API, creating and deploying a comprehensive set of URL filtering rules to block unwanted ads across multiple domains.

LEADERSHIP

[**Resident Assistant**](#) | *Hanson Hall*   Aug 2024- Present
[**Gburg African Students Association**](#) | *Vice President*   May 2024- Present
[**Gettysburg College Society of Physics Students**](#) | *Secretary*   May 2024- Present