Joseph Sackitey

(223)-388-9265 | [Email](#) | [Linkedin](#) | [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, Git Bash
- **Developer Tools**: Android Studio, Visual Studio Code, Spyder, and Eclipse

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
CSIR — *Accra, 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

[A Right Bionic Arm](#) | *Java, Python, Kotlin, C, Android Studio*
- Designed and 3D printed a robotic prosthesis that can be remotely controlled via a 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.

[Maze Runner](#) | *Python,C,Arduino*
- Designed an autonomous mobile robot using ultrasonic sensors for obstacle detection and environmental mapping.
- Programmed an Arduino microcontroller to manage drive motors, enabling omnidirectional movement and successful autonomous mapping and maze-solving demonstrations.
- Developed and implemented navigation algorithms in C, processing sensor data for steering

[Bliss](#) | *C*
- Developed a comprehensive Clothing Mall Management System using C to streamline the management of shops and clothing items.
- Implemented features to display available shops with detailed information and support the addition of new shops and clothing items.
- Created an interactive menu for easy navigation, enhancing operational efficiency and providing a seamless user experience.

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