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.

PROJECTS & OUTSIDE EXPERIENCE

National Park Species Analyzer | *Python*

- Developed and implemented a Python program to analyze biodiversity data from the National Park Service, efficiently processing over 1 million data points to identify key conservation metrics.
- Developed custom methods to analyze species density, common mammal families, and endangered species across parks, with rigorous testing to ensure accuracy, resulting in detailed conservation reports.

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 Chrome Extension | *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