

BRIGHT OMARI OWUSU

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EDUCATION

Grambling State University — Grambling, LA, USA

Bachelor of Science in Computer Science/Cybersecurity

(Expected May 2028)

Relevant Coursework: Data Structures and Algorithms, Fundamentals of Cybersecurity, Operating Systems, Object Oriented Programming, Computer Systems & Network, Discrete Structures

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, TypeScript, Java

Tools/Technology: Git/GitHub, Replit, Firebase, RESTFUL APIs, Netlify, React, TailwindCSS

Skills: UI/UX Design, API Integration, Project Management, Vulnerability Assessment

EXPERIENCE

Junior Intern — Citizens Bank, Nsawam

Jan 2024 – Mar 2024

- Assisted the Chief Information Security Officer (CISO) in maintaining and strengthening the organization's security posture, contributing to vulnerability assessments and incident reporting.
- Identified, tested, and reported vulnerabilities on internal banking platforms to mitigate cyber risks.

IT Support Volunteer — NHIS Ghana

Nov 2022 – Feb 2023

- Supported staff in gathering and inputting and managing detailed client information within a secure database, ensuring accuracy and confidentiality
- Collaborated with the IT team to design and develop a user-friendly website for efficient client data logging and management.

PROJECTS

Pomodoro Play — JavaScript, JSON, Chrome APIs

GitHub: [Pomodoro](#)

- Developed a Chrome extension based on the Pomodoro Technique, enabling users to manage work and break cycles effectively with customizable timers, ambient music, and interactive mini-games for a balanced workflow.
- Enhanced productivity features by integrating tab tracking, video bookmarking, and a built-in to-do list, allowing users to organize tasks seamlessly while maintaining focus.
- Implemented smart reminders and notifications to help users stay on track, reinforcing structured work sessions and improving overall study efficiency.

Website Vulnerability Scanner — Python, Asyncio, AI

GitHub: [WVS-scanner](#)

- Built a Python-based scanner by implementing asynchronous programming that detects and reports vulnerabilities in websites.
- Utilized Google Gemini API to translate vulnerability report into simple English language for users.

Church Website — React, Tailwind, Node.js, Netlify

GitHub: [My Church](#)

- Designed and deployed a dynamic website for a local church to improve its digital presence and community engagement
- Implemented responsive design principles to ensure seamless user experience across devices.

Research Team Portal — HTML, JavaScript, Firebase

GitHub: [Research](#)

- Built a centralized platform with Firebase authentication to streamline research collaboration and secure team access.
- Integrated task-sharing, real-time updates, and dynamic content sharing for efficient workflow management.

CAMPUS INVOLVEMENT

Tech Other Side Research Team

Jan 2025 – Present

- Contributed to research on developing a remote employee monitoring solution that balances legal, well-being, and productivity needs for both employees and employers.

ColorStack Grambling

Jan 2025 – Present