ENOCH OWOADE

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EDUCATION

Grambling State University– Grambling, LA   College Sophomore
Bachelor of Science in Engineering Technology, minor in Computer Science GPA: 4.0/4.0
Relevant coursework and certifications: •Computer Aided Design •Project Management • Construction Materials • Circuit Design & Analysis • Calculus I, II & III • Probability and Statistics • Python Certification Hackerrank Arduino Developer Certification •Introduction to Computer Science •Cs50 Introduction to programming with python - edX.
Honors and Awards: President's List - Spring 2024, Fall 2024; E.L. Cole Honours College Inductee; Alpha Lambda Delta (Mathematics) Honours Society
Skills and Softwares: Programming languages - Arduino,Python, C++
Web development - HTML/CSS, Django
Embedded Systems and Hardware - Arduino, ESP32, FPGA, VLSI, PCB repair
Software tools - Git, VS Code, Linux.

EXPERIENCE

Louisiana AeroSpace Catalyst Experience for Students - Engineering Intern | Grambling, LA.   Feb 2024 – Sept. 2024
- Designed a high-altitude balloon payload using Solidworks, optimizing geometry and materials for structural integrity under extreme atmospheric conditions.
- Gained hands-on experience in scheduling, resource allocation, and adherence to safety guidelines while executing pay load tests, reinforcing the importance of risk management and compliance in project environments

Service Learning Grambling State University - Software Developer | Grambling, LA.   January 2024
- Developed a Django-based web app that allows students to register for service-learning events using a secure authentication system.
- Integrated email notifications and an attendance tracking feature to improve user interface.
- Optimized database queries and improved UI/UX to enhance usability.
- Collaborated in a team using version control and Agile methodologies

Student Retention Office (GSU) - Academic Coach and Tutor | Grambling, LA   June 2024 – Present
- Provided personalised guidance and study strategies, boosting student confidence and subject mastery.
- Created tailored study plans for 20 students, yielding 2% grade improvement in STEM subjects.

PROJECTS

SolCare | Hack Princeton Fall 2024   Github
- Accomplished a 20% improvement in solar panel energy efficiency and a 15% extension in panel lifespan by implementing real-time IoT-based sunlight tracking and temperature control systems.
- Utilized: Arduino, IoT protocols, C programming Language, Solar panel hardware and environmental sensors (DHT 22 and LM 335).

LEADERSHIP & AFFILIATIONS

National Society of Black Engineers |Member | Grambling Chapter   January 2024 – Present
- Regularly attend meetings, networking events, and conferences to stay updated on industry trends
Thurgood Marshall College Fund Citi HBCU Incubator Program | Citi Scholar | Remote   December 2024 - Present