ENOCH OWOADE
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EDUCATION

Grambling State University, Bachelors of Science in Electronics Engineering Technology. Minor in Computer Science.
Expected Graduation Date: 17th December, 2027
Relevant Coursework: Introduction to computer Science with python, Introduction to embedded C, Data Structures & Algorithms, Microcontroller Systems, Programming with C/C++, Technical Interviewing Preparation, Software Engineering. • Calculus I, II & III Probability and Statistics

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Embedded C.
- **Web Development:** Django, HTML/CSS
- **Hardware & Embedded Systems:** Arduino, ESP32, FPGA, VLSI, PCB Repair & Troubleshooting
- **Software Tools:** Git, VS Code, Linux, Docker
- **Machine Learning & Automation:** TensorFlow, OpenCV, MATLAB

EXPERIENCE

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

Louisiana AeroSpace Catalyst Experience for Students - Research Intern | Grambling, LA. Feb 2024 – Sept. 2024

- Led the programming and calibration of embedded systems for measuring environmental factors for high-altitude balloon experiments.
- Analyzed real-time sensor data, including temperature, humidity, and pressure, to enhance experiment efficiency.
- Worked with hardware components such as Arduino, sensors, and communication modules.

CodePath: Introduction to Technical Interviewing (DSA)
January 2024 – Present

- Intensive program covering data structures, algorithms, and problem-solving strategies for technical interviews.
- Solved complex algorithmic problems using Python and C++, focusing on time and space complexity optimization.
- Participated in mock technical interviews and coding challenges.

PROJECTS

SolCare | **Solar Panel Sun Tracking System |** Hack Princeton Fall 2024 Github

- Designed and implemented an automated solar tracking system using Arduino, servo motors, and LDRs.
- Improved solar panel efficiency by dynamically adjusting angles based on light intensity.
- Integrated real-time monitoring of voltage, temperature, and humidity for optimization.

EXTRACURRICULAR, LEADERSHIP & AWARDS

- **Hackathons & Coding Competitions – Participated in various hackathons and programming challenges.**
- **Honors & Awards: President's List: Spring & Fall 2024, Spring 2025. Earl Lester Cole Honors College Inductee, Alpha Lambda Delta (Mathematics) Honors Society Inductee.**
- **Leadership: Academic Coach/tutor- Utilized effective coaching techniques in tutoring about 20 students to improve student retention and academic success.**
- **NSBE: Member - Regularly attended meetings, networking events, conferences and organizing mentorship events for high school students.**
- **Thurgood Marshall College Fund Citi HBCU Incubator Program: Scholar**