

ENOCH OWOADE

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EDUCATION

Grambling State University

B.S. in Electronics Engineering Technology, Minor in Computer Science

Expected Graduation: December 2027

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Intro to Embedded C, Intro to Computer Science with Python, Microcontroller Systems, Technical Interview Prep

TECHNICAL SKILLS

- **Languages:** Python, C++, HTML/CSS, JavaScript (basic)
- **Frameworks/Tools:** Django, Git, VS Code, Linux
- **Hardware/Embedded:** Arduino, ESP32, Sensors, PCB Repair
- **EdTech & AI Tools:** TensorFlow, OpenCV, curriculum prototyping, slide development
- **Other:** Agile/Scrum, Version Control

EXPERIENCE

Service Learning Grambling State University - Software Developer | Grambling, LA. January 2024

- Developed and deployed a full-stack Django platform enabling students to register for and track attendance at community events, streamlining the registration process for hundreds of students.
- Implemented robust user authentication with password protection and automated email confirmations, significantly enhancing platform security and user engagement.
- Designed and optimized the platform's UX/UI, incorporating accessibility features to cater to diverse user needs and ensure a seamless user experience.

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

- Executed embedded programming and precise system calibration for high-altitude balloon experiments, ensuring data accuracy and experiment success.
- Analyzed and interpreted complex sensor data (temperature, humidity, pressure), translating findings into accessible summaries for educators and stakeholders.
- Conducted engaging presentations and demonstrations of STEM experiments to K-12 students and community outreach audiences, fostering interest in STEM fields.

CodePath: Data Structures and Algorithms– Learner

January 2024 – Present

- Actively participated in weekly group reviews, focusing on peer teaching and providing clear explanations of complex algorithmic solutions.
- Engaged in mock technical interviews and challenging coding assessments, sharpening problem-solving and communication skills in a simulated environment.
- Developed proficiency in solving complex algorithmic problems using Python, optimizing for both time and space complexity, thereby improving code efficiency.

PROJECTS

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

[Github](#)

- Built an IoT system using Arduino, LDR sensors, and servo motors to **teach environmental impact of energy systems**.
- Real-time monitoring of solar panel efficiency through voltage and environmental sensors.
- **Ideal for K–12 STEM curriculum modules** on sustainability, solar energy, and automation.

AI-Powered Résumé Analyzer

- Developed a resume analyzer that uses natural language processing and **educational AI models** to help students improve job readiness.
- Designed an interactive web interface using HTML/CSS/JavaScript to deliver personalized résumé feedback and optimize content for ATS keyword alignment.

EXTRACURRICULAR, LEADERSHIP & AWARDS

- **NSBE Member** – Led mentorship activities and outreach for high school STEM students
- **TMCF Citi HBCU Incubator Scholar** – One of few selected for tech/career development bootcamps
- **Hackathons:** Hack Princeton, campus DSA coding events
- **Honors:** President's List (3x), Earl Lester Cole Honors College, Alpha Lambda Delta Honors Society