

Angel Antwi-Mensah

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EDUCATION

Grambling State University

Grambling, LA

Bachelor of Science in Computer Science, GPA: 3.92/4.0

Expected Graduation: May 2028

- **Relevant Coursework:** Intro to Programming, Data Structures, Artificial Intelligence, Calculus I & II, Discrete Structures, Programming Language Concepts, Computer Architecture and Design
- **Awards:** Programming Prodigy Award, Academic Achievement Award, TMCF Scholar, Thomas Odom Scholar

TECHNICAL SKILLS

Languages: Python, HTML, CSS, JavaScript, C#, Java, Swift

Frameworks & Libraries: Node.js, Flask, React, FastAPI, PyTorch, TensorFlow

Developer Tools: Git, GitHub, Google Cloud Platform, VS Code, Docker, Firebase, Playwright, Bootstrap

EXPERIENCE

Microsoft

Redmond, WA

Explore Intern

May 2026 – August 2026

- Implemented scalable reward-visibility modules in **C** and **React** that resolved data shape inconsistencies, reduced page-loading crashes through a graceful degradation logic and delivered a 2.6% lift in reward conversion.
- Architected a **Backend For Frontend** integration layer connecting backend services to the frontend, eliminating content load-shift and improving cross-service UI stability for millions of users, resulting in a 10% reduction in load time.

Cornell University (Chambers Capital Ventures)

Remote

Machine Learning Engineering Fellow

May 2025 – April 2026

- Co-engineered and deployed an end-to-end **NLP** pipeline using **BERT** embeddings and K-Means clustering to extract sentiment, surface key themes, and generate actionable B2B buyer personas from survey transcripts.
- Developed a **React** + FastAPI dashboard, Dockerized for serving model predictions and visualizing insights.
- Co-delivered an open-source prototype and live demo of automated persona discovery and AI-driven messaging analytics, helping startups validate positioning and go-to-market strategy before launch.

Grambling State University

Grambling, LA

IT Student Assistant

October 2024 – Present

- Supported 100+ students daily, troubleshooting hardware and software issues to maintain 99% uptime, and led orientations that cut policy violations and increased resource utilization by 30%.
- Automated PC disk formatting with a **Python** script to streamline device setup and reduce repetitive manual work.

PROJECTS

EduBots Africa | *Python, FastAPI, LangChain, FAISS, HTML, CSS*

- Built an AI academic support agent using **Python** and **LangChain**, delivering on-demand assistance through a messaging app to keep access costs low for students.
- Piloted with **8+ students** and refined responses through student feedback, reducing follow-up clarification questions by **20%**; expanding the agent into a dedicated web application using **FastAPI**, **HTML**, and **CSS**.

VolunteerHub | *Java, Spring Boot, Jsoup, REST*

- Engineered a full-stack **Java (Spring Boot)** web app that scrapes and categorizes real volunteer events by sector, enabling users to discover and register for opportunities in one place.
- Automated volunteer-to-non-profit outreach by integrating **Jsoup** for event scraping, **REST APIs** for registration, and email submission workflows, connecting volunteers directly with organizations.

LEADERSHIP AND INVOLVEMENT

ColorStack (Grambling Chapter)

Grambling, LA

President

August 2026 – Present

- Lead a 7-member executive board in organizing coding workshops, mentorship programs, and guest lectures for 100+ students to strengthen technical skills and career readiness.
- Coordinate hackathon planning and corporate partner outreach to secure sponsorships, recruit industry judges, and connect students with hands-on learning opportunities.

Additional Involvement: Breakthrough Tech Fellowship, AUC Data Science Research Mentor 2x, Ur2PHD Participant, Research Mentee