

ESI A. K. ABROKWA

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Grambling State University — Grambling, LA

B.S. Computer Science (GPA: 4.0/4.0) — President's List

Expected Graduation: May 2028

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Discrete Structures, Python OOP, Probability & Statistics, Technical Interview Prep (CodePath)

SKILLS

- **Languages:** Python, JavaScript, TypeScript, C#, SQL
- **Frontend & Backend:** React, Next.js 14, FastAPI, SQLAlchemy, REST APIs
- **Core Concepts:** System Design, API Design, Version Control, Unit Testing
- **Certifications (IBM):** Introduction to AI, Cybersecurity and Data Analytics, Security Zero Trust Principles

PROFESSIONAL EXPERIENCE

Solera Holdings, LLC, Westlake, TX | Software Engineering Intern

June 2025 - August 2025

- Built REST API services in C# that integrated Azure OpenAI with internal business APIs to generate context-aware response drafts for customer service agents, cutting response time by **30%** across the claims and repairs dashboards.
- Iterated on prompt engineering for the AI response system, improving accuracy and conciseness across **50+** customer service test scenarios.
- Created mock frontend interfaces with React, simulating the claims and repairs customer service platforms, enabling end-to-end testing of the integration.

PROJECTS

Microsoft Agents League Hackathon – Rehobbie (*AI-Powered Hobby Recovery*)

June 2026

- Used Microsoft Foundry IQ (Grok 4.1 Fast via Azure) and Next.js to develop a personalized hobby recovery system utilizing three distinct API routes for peer recommendations, discovery cards, and customized comeback plans.
- Built a stateful onboarding flow with Supabase anonymous sessions, removing sign-up friction while preserving user intent.
- Wrote **30+** automated tests with Vitest to validate core store states and API routes.

Kinyurite (*Collaborative Storytelling Platform*)

March 2026 - April 2026

- Built and deployed a full-stack web application with a React frontend and FastAPI backend where multiple authors can co-write, suggest edits, and review changes to a shared story.
- Implemented role-based JWT authentication and full version history in PostgreSQL, blocking unauthorized edits and enabling restoration of any prior version of a story.

Untangle (*Personalized Hair Analysis & Stylist Management Platform*)

March 2026 - Present

- Built a full-stack consultation platform for textured-hair stylists using Next.js, FastAPI, PostgreSQL, and JWT authentication.
- Developed a rule-based engine that processes complex hair profiles to calculate duration and pricing, reducing stylist manual intake time by **40%**.
- Implemented automated email workflows that triggered pre-appointment reminders, increasing client form-completion rates by **20%**.

EXTRACURRICULAR ACTIVITIES

Emboldly, Remote | Program Manager

August 2025 - Present

- Execute asynchronous engagement strategies for **100+** fellows to increase representation in the tech industry.
- Develop escalation and communication processes to improve participant accountability and streamline operations.

Women in Tech Club, Grambling, LA | Vice-President

November 2025 - Present

- Lead professional development initiatives and technical workshops to equip **25+** female students with the high-demand skills and competitive edge necessary to thrive in the technology sector.