Itwela Ibomu

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EDUCATION

Western Governors University (WGU) — Salt Lake City, UT

B.S. in Software Engineering   *Estimated Graduation:*

- Relevant Coursework: Data Structures & Algorithms, Python, Front-End Web Development, JavaScript

EXPERIENCE

Software Engineer

Dope Marketing   *Jul 2025–Present*

- Built internal AI platform used by 3 managers to automate account research and data analysis.
- Created APIs granting agents instant access to millions of housing and client records, cutting manual lookup time from hours to minutes.
- Enabled instant employee insights via CliftonStrengths API integration, improving decision speed for leadership teams.
- Delivered 3 production tools adopted by management, enhancing research efficiency across departments.

Software Engineering Fellow

Headstarter   *Jul 2024–Sep 2024*

- Led a team of 3 to build CitySwipe, an AI vacation planner with 200 users and 50K+ impressions.
- Won 1st place out of 300+ teams in a nationwide hackathon for innovation and product execution.
- Shipped 5 AI web apps using Next.js, LangChain, and Supabase; scaled multiple to 200+ users.

AI Engineer

Dataforce   *Apr 2024–Jun 2024*

- Reduced captioning error rates by 20% across 200 videos/day through workflow optimization.
- Improved data processing consistency and automated recurring QA checks for higher reliability.

Software Intern

J.P. Morgan (Forage)   *Dec 2023–Jan 2024*

- Built real-time data visualization tool (<200ms updates) using the Perspective library.
- Gained exposure to enterprise-scale data systems and visualization workflows.

PROJECTS

Lotus – AI Wellness App   Sep 2025

AI-powered React Native app generating articles, images, and audio for wellness content.

Technologies Used: React Native, Replicate, OpenAI, Convex

- Built multi-step AI pipeline with Convex workflow; reduced generation errors by 40%.
- Achieved 40+ signups and 2 paying users with no active marketing.

CitySwipe – AI Travel Planner   Jul 2024–Present

Personalized travel recommendations via LLM + vector search.

Technologies Used: Next.js, LangChain, Pinecone, Supabase

- 50K impressions and 200 users; secured early investor interest.

Job Tracker & Analytics Dashboard   Jan–Apr 2024

Automated job tracking workflow, cutting completion time by 50%.

Technologies Used: Next.js, PostgreSQL, Supabase

Jelly Up! – AI Caption Generator   Aug 2024

Automated subtitles with Whisper + OpenCV; judged 2nd place at Headstarter Hiring Hackathon.

Technologies Used: Next.js, Whisper, Docker

Globetrotter AI – Voice Travel Assistant Aug 2024

Voice-activated travel planner integrating speech recognition and travel APIs.

Technologies Used: Flask, Python, OpenAI

- Won 1st place at Headstarter Hiring Hackathon.

SKILLS

Technical:	Python, JavaScript, TypeScript, React, Next.js, React Native, Node.js, Ruby on Rails, PostgreSQL, Supabase, Firebase, Docker, Pinecone, LangChain, OpenAI, Convex
Additional:	UI/UX Design, Product Development, Agile, Leadership

ADDITIONAL INFORMATION

Languages:	English (Native)
References:	Available upon request