

Itwela Ibomu

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EDUCATION

Western Governors University (WGU)

Bachelor of Science in Software Engineering

Salt Lake City, UT

Estimated Graduation: Expected Dec 2025

- Accomplished knowledge of Math, Programming, Data Management, and Application Design through in-depth coursework and projects.

EXPERIENCE

DOPE Marketing

Software Engineer

Remote / Salt Lake City, UT

Jul 2025 - Present

- Full-time software engineer contributing to the core product stack (Next.js, React, TypeScript, Node.js) and shipping customer-facing features end-to-end.
- Implemented new onboarding flows, A/B test frameworks, and analytics instrumentation that improved feature rollout speed and visibility.
- Built and maintained CI/CD pipelines with Docker and Vercel, reducing deployment time and manual steps.
- Collaborated closely with product, design, and marketing to prioritize roadmap items and mentor junior engineers.

Headstarter

Software Engineering Fellow

Long Island City, NY

Jul 2024 - Sep 2024

- Built and deployed 5 AI projects using React (TypeScript), Next.js, Tailwind, Firebase, Supabase, Clerk, LangChain, Pinecone, Docker, and Vercel.
- Scaled web apps to 200+ users by iterating on user feedback and implementing frontend and backend optimizations.
- Led development of the CitySwipe project which won multiple hackathons and secured early investment.

Dataforce

AI Software Engineer

Atlanta, GA

Apr 2024 - Jun 2024

- Improved captioning project efficiency by 20% through workflow and tooling optimizations, increasing client satisfaction.
- Diagnosed and resolved technical issues across the captioning pipeline, reducing turnaround time for deliverables.
- Documented fixes and created reproducible bug reports to speed future troubleshooting.

Forage (J.P. Morgan)

Software Engineering Virtual Experience

Remote

Dec 2023 - Jan 2024

- Set up the development environment and fixed files to generate live graphs using J.P. Morgan Chase's open-source Perspective library.
- Delivered a working prototype for live graph generation as part of a team exercise.

PROJECTS

CitySwipe (AI Travel & Vacation Planning)

Jul 2024 - Present

AI-powered vacation platform that recommends personalized itineraries and travel options.

Technologies Used: Next.js, React, Vercel, Supabase, Gemini, TypeScript

- Led the team and growth efforts; acquired 50+ active users and secured social impressions and early investor interest.
- Pitched to investors and secured a commitment from an early investor.

Lotus Always Growing (iOS)

Jun 2025

Published iOS app available on the App Store focused on personal growth and habit tracking.

Technologies Used: React Native, TypeScript, Expo

- Designed, built, and published the app to the Apple App Store end-to-end.

- Handled feature development, bug fixes, and App Store submission process.

Algorithmic Trading System

May 2025

Automated trading bot and risk management system used to pass a proprietary trading combine.

Technologies Used: Python, Pandas, NumPy, Broker API integrations

- Designed and implemented automated trading strategies and execution logic.
- Passed a trading combine and generated approximately \$14,000 in profit over a 45-day period.

MyJobKompass.com (Job Tracker & Data Analysis)

Jan 2024 - Apr 2024

Job application tracker and analytics dashboard to speed application workflows.

Technologies Used: Next.js, React, PostgreSQL, OpenAI, Pinecone

- Reduced job application processing time by 50% through automation and streamlined data entry.

Instant Video Caption Generator (Jelly Up!)

Aug 2024

Backend video captioning pipeline using AI models.

Technologies Used: Next.js, React, Docker, OpenCV, OpenAI Whisper

- Developed a captioning backend that produced accurate captioned videos.
- Project placed 2nd at the Headstarter Hiring Hackathon.

Globetrotter AI (Voice Activated Travel Assistant)

Aug 2024

Full-stack voice-activated travel assistant integrating multiple APIs.

Technologies Used: Flask, Python, APIs

- Designed and shipped the assistant and won 1st place at the Headstarter Hiring Hackathon.

RAG 'Rate My Professor' Chat Application

Aug 2024

Real-time chat app using vector search for professor reviews.

Technologies Used: Next.js, TypeScript, Pinecone, OpenAI

- Built realtime data fetching and vector search to improve response accuracy.

SKILLS

Technical:	Python, JavaScript / TypeScript, React (3 yrs), Next.js, Node.js, React Native, PostgreSQL, Supabase, Firebase, Docker, Pinecone, LangChain, OpenAI
Additional:	Mobile app publishing (App Store), Algorithmic trading / quantitative strategies, UI/UX design, Agile, Leadership, Mentoring

ADDITIONAL INFORMATION

Interests:	Mentoring, Investing, Crypto, Basketball, Gaming, Traveling, Teaching
Hobbies:	Piano, Guitar, Art
Languages:	English (Native)
References:	Available upon request