

Maxwell Jackson

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EDUCATION

North Carolina Agricultural and Technical State University

Greensboro, NC

B.S. in Computer Science

Dec 2026

SKILLS & CLUBS

Languages/Tools: Python, Java, TypeScript, JavaScript, React, SQL, ChromaDB, Next.js, Node.js, RESTful API, Git, Docker, Vercel, Supabase, Flask, Figma, StableDiffusion, LaTeX

Clubs/Awards: ACM, ColorStack, CodePath, USCF, Greensboro Chess Club, NCAT Crypto Club, Wells Fargo SWE Simulation

EXPERIENCE

ReplyQuickAI | *TypeScript, Next.js, Supabase, Twilio, Docker, React, Tailwind, i18n*

Jun 2025 – Sept 2025

Software Engineer Intern

Sarasota, FL

- Integrated AI powered Agents via APIs and webhooks to enable automatic outbound SMS/WhatsApp missed call recovery, reducing client salary expenses by over 80% and increasing conversion rate
- Architected Supabase schema and API endpoints for SMS intent analysis based on user conversations, allowing for AI powered conversations and bookings based on the conversation.
- Shipped features for dark/light mode and multilingual support with persistent local storage settings.
- Refactored UI/dashboard and middleware, modularizing dashboard components for reusability, and updating URL routing based on page and language.

Odessa | *React, TypeScript, Tailwind, Figma*

May 2024 – Present

Freelance Front-End Developer

Greensboro, NC

- Developed 3+ responsive client websites using React and Tailwind, applying modern UI/UX best practices.
- Integrated SendMail API for live contact forms and managed deployment, hosting, payments, and client support.
- Handled end-to-end client services including deployment, hosting, payment system setup, lead acquisition, and maintenance (3 free updates per client).

Tremont Engineering

Jun 2023 – Aug 2023

Jr. Lab Engineer

Greensboro, NC

- Conducted 10+ weekly lab tests (Proctor Compaction, Concrete Strength) and on-site tests (Slump, Asphalt Coring).
- Delivered quality control for projects with **Aldi's**, **Sterigenics**, and **LaQuinta**.
- Tracked data in Excel and eField, which was forwarded and used by project engineers.

PROJECTS

MotivateAI - Entrepreneur Biography RAG System | *Python, LangChain, ChromaDB, OpenAI API*

- Engineered semantic search system processing 6 entrepreneur biographies using OpenAI embeddings and ChromaDB vector database.
- Added custom metadata, post-retrieval prompts, and auto-chunking to supporting better filtered queries.
- Used LangChain to calculate embedding distance between vectors, focusing on cosine similarity.
- Built interface to configure retrieval parameters and request prompts for multi-source synthesis, deployed with query logging and source attribution.

Prep.AI | *Node.js, Express, Google Speech API, OpenAI API, FastAPI*

- Built real-time AI interview simulator supporting natural voice conversations with contextual follow-ups.
- Implemented Voice Activity Detection and PDF parsing to add resume upload and microphone features.
- Added custom questions and topics with IDE integration, hosted on Docker to compile code live. Languages include Python, Java, JavaScript, and C++.
- Combined Google Speech-to-Text with GPT-3.5 for accurate, low-cost interview prompts.