Olatomiwa O. Aluko

(786)-660-9146 | tomiwaaluko02@gmail.com | tomiwaaluko.com | linkedin.com/in/olatomiwaaluko | github.com/tomiwaaluko

EDUCATION

University of Central Florida (UCF) — Orlando, FL
Bachelor of Science in Computer Engineering — *Expected December 2026*
Minor in Technology Entrepreneurship — *GPA: 3.50/4.00*

PROJECTS

ApplySense — AI Job Application Tracker — Jul 2025 – Present
Next.js (React), TypeScript, tRPC/Prisma, React Query, Supabase, NextAuth, GPT-4 Vision, Tesseract.js
- Built an AI-powered tool that processed 200+ job postings, auto-extracting company, role, and deadline details while cutting manual entry by ∼80%.
- Implemented secure authentication and cloud storage for 100+ accounts, ensuring reliable cross-device access and data protection.
- Delivered a real-world solution for job seekers, replacing manual spreadsheets with automated tracking to improve organization and success rates.
- Created responsive dashboards with progress tracking and reminders, helping users meet 95% of deadlines and manage applications efficiently.

DigiConvo — AI Conversation Practice App — Jul 2025
Next.js, TypeScript, tRPC, Prisma, Google Gemini AI
- Built in a team of four during a 12-hour hackathon, delivering 6+ conversation scenarios across personal, professional, social, and family categories.
- Integrated Google Gemini AI for realistic dialogue and emotion analysis, enabling actionable feedback for coaches, counselors, and students.
- Enhanced accessibility with speech-to-text, text-to-speech, dark/light mode, and responsive UI across devices.
- Developed OCR-based analysis tool achieving ∼95% text accuracy and reports under 2s, reducing manual transcription by ∼70%.

Xi Iota Chapter Website — UCF Alphas — Jun 2024 – Present
React 18, TypeScript, Vite, Tailwind, Framer Motion, Vercel, Resend API
- Built a modular, responsive chapter site with sections for history, leadership, events, service, lineage, and contact; enabled leaders to update content easily.
- Grew traffic to 500+ monthly visitors and increased engagement/inquiries by 50% via mobile-optimized pages and interactive galleries.
- Added contact forms and planned email + analytics features, improving outreach and data-driven event planning.

SKILLS

Languages: Python, Java, C/C++, HTML, CSS, JavaScript, TypeScript
Frameworks: ReactJS, Next.JS, Tailwind CSS, tRPC, Tkinter
Developer Tools: Git/GitHub, Vercel, Postman Agent, Resend, Prisma, Supabase
Technologies: REST APIs, PostgreSQL, Google Gemini AI, SolidWorks, Microsoft 365, Adobe CC

COURSEWORK

Data Structures & Algorithms, Object-Oriented Programming, Computer Science I & II, Discrete Structures, Probability & Statistics, Computer Organization, Computer Architecture, Embedded Systems, Real-Time Systems, CodePath Intermediate Technical Interview Prep & Web Development Course

LEADERSHIP & AWARDS

President & Assistant Area Director, Alpha Phi Alpha Fraternity — Led 20+ members and oversaw district service initiatives (Mar 2022 – Present)

Senator, National Society of Black Engineers — Managed logistics for regional/national events, increased engagement 30% (Aug 2021 – Present)

Member, ColorStack — Participated in events supporting Black/Latinx technologists (Mar 2025 – Present)

Awards: CECS Dean's List (2024 & 2025), UCF Knights of the Roundtable Outstanding Officer of the Year (2024)