Fawwaz Abayomi

(708) 262-2753 | fawwazabayomi@gmail.com | LinkedIn | GitHub

Education

University of Illinois at Chicago — Chicago, IL

Bachelor of Science in Computer Science — *Aug. 2023 – May 2027*

- Presidential Award Program Scholar (PAP), National Society of Black Engineers (NSBE), Intramural Soccer

Technical Skills

Languages: Python, Go, Rust, Swift, C/C++, JavaScript, TypeScript, SQL, HTML/CSS
Technologies: React, Node.js, Next.js, SwiftUI, Tauri, Supabase, Firebase, MySQL, PostgreSQL, AWS (S3/Lambda/EC2), REST APIs, Git, GitHub Actions, CI/CD
AI Tools: Claude Code, Copilot, Codex, Gemini, Amazon Bedrock, Anthropic API, Kling, Seedance, Nano Banana

Experience

Software Engineer Intern — June 2026 – August 2026

Enova International — *Chicago, IL*

- Used **Go** and **Amazon Bedrock** to build an internal AI agent that diagnoses development build failures company-wide by analyzing Jenkins and Shipyard logs, streamlining troubleshooting for every developer.
- Built the agent, harness, and **evaluation pipeline** on **Amazon Bedrock** using eval-driven development.
- Integrated the agent into CI/CD on the **Developer Experience** team, eliminating manual log triage.

Software Engineer — September 2025 – Present

Behold — *New York, NY*

- Shipped **iOS** features for **5,000+ users**: Daily Verse, Programs, Quran search, Quran completion tracking, and more using TypeScript + React.
- Built **BeholdPrayer**, a SwiftUI macOS notch app, from first commit to launch and creating a marketing video that got over **80,000 views**
- Built a React/Supabase **audio-validation dashboard** used to repair **1,600+ corrupted recordings**.
- Got over **300,000 views** across 2 campaign videos

Data/AI Engineer (Part-Time) — September 2025 – June 2026

Kootanla Services LLC — *Chicago, IL*

- Built **GRIIDS**, an agentic data platform aggregating U.S. Public Utility Commission (PUC) filings nationwide and processing millions of regulatory documents through a **multi-agent system** to turn raw filings into digestible intelligence for energy-industry stakeholders.
- Designed a hybrid MySQL + Amazon S3 data architecture with **SHA-256 content hashing** as the cross-system key, enabling deduplication and idempotent processing across the multi-agent pipeline.
- Built the GRIIDS Data-Hub, a real-time coverage dashboard over a **2M+ document** database, presenting an interactive US map on a React/Express + AWS Lambda stack.

Projects

We Got Jalapeños at Home | *Rust, Metal, TypeScript, Python, PyTorch* — Oct. 2026 – Present

- Building a from-scratch **Rust LLM inference engine** for Apple Silicon, inspired by OpenAI's Jalapeño chip: Qwen3 with **speculative decoding**, **MXFP4 quantization** via fused dequant + matmul **Metal kernels**, a scheduler running prefill, draft and verify on one shared GPU, and a live web visualizer of draft acceptance and benchmarks against an fp16 baseline.
- Built a **PyTorch reference harness** that records per-layer hidden states and logits for all 29 stages of Qwen3-1.7B, verified bit-for-bit deterministic, and calibrated per-layer error thresholds from a bf16-vs-fp32 noise-floor run.
- Implemented greedy **speculative decoding** in Python (0.6B drafting for 1.7B) as a **correctness oracle**, producing output token-identical to the target model alone.

Tony | *tony-cli on PyPI | Python, MCP, TypeScript, Astro, Postgres, Vercel* — Aug 2026 – Present

- Shipped an **MCP server** that lets Claude Code, Codex, Cursor and Amp turn a git diff into a hosted review with inline annotations, blast radius and runtime walkthroughs.
- Made the model's output **verifiable**: Python checks every cited path, line and symbol against the diff and repo, and returns failures as fix instructions until the review passes.
- Built the publishing site with GitHub device-flow login for cloud sandboxes, publish-only tokens, and rendering hardened against hostile payloads from any account.

Akknoledge | *Director of Business Development | React, Firebase, Java* — September 2024 – June 2026

- Helped build the platform from the ground up to **1,500+ users** through grassroots outreach; class-to-class presentations and university-administration partnerships, while leading a 3-person growth team.