Summon Gebrelibanos

summon@u.northwestern.edu | (502) 999-8230 | Chicago, IL | gebre.dev | linkedin.com/in/summon

EDUCATION

Northwestern University — Evanston, IL — Expected December 2028
Bachelor of Science in Computer Engineering and Artificial Intelligence

SKILLS

Python, TypeScript, JavaScript, Kotlin, Swift, C/C++, SQL, MATLAB | React, React Native, Node.js, FastAPI, Flask | PostgreSQL, MongoDB, Firebase, GCP, Cloudflare, Linux, Slurm, Git, Arduino

EXPERIENCE

CleanTube | Founder & Engineer — June 2022 – Present

- Founded and scaled an Android app to **4.9M+ installs**, 650K+ MAU, and **$15,000+ in 30-day revenue**, with a 4.4 star rating across 50K+ reviews, driving 300% yearly organic growth
- Cut latency **70% (800ms → 240ms)** across 130M+ monthly requests by selecting CDN, bitrate, and encoding server-side per request
- Rebuilt the app's architecture from React Native to Kotlin, dropping size **~88% (80MB → 10MB)**

OnSight | Lead Software Engineer — October 2026 – Present

- Building data pipelines to onboard a new gym chain client onto OnSight's MongoDB backend
- Adding authentication and restricting data access across the platform
- Refactoring the React frontend into modular components, cutting unnecessary re-renders and adding loading states

Crowdlisten | Software Engineer — January 2026 – June 2026

- Built Node.js and FastAPI data ingestion pipelines integrating TikTok, Instagram, and YouTube data for cross-platform trend discovery
- Built ranking systems modeling trend velocity and sentiment to recommend video topics
- Shipped end-to-end product features alongside the founder to 600+ early users

AlwaysThere | Founding Engineer — December 2025 – March 2026

- Built a cross-platform AI support application using React Native, PostgreSQL, WebSockets, RAG, multimodal models, and neural TTS, delivering an investor-ready MVP in three weeks
- Reduced response latency from approximately **2 seconds to 300 milliseconds**, enabling real-time conversational interactions

Tigrayan Community Assoc. of Kentucky | Volunteer → Director of Technology — 2020 – Present

- Built full-stack donation site and accounting platform, processing **$500K+** in humanitarian aid
- Built an annual census system tracking 250+ community members

RESEARCH

MMCS Lab, Northwestern ESAM | Student Researcher — May 2026 – Present

- Rebuilt the lab's crab tracking pipeline from MATLAB in Python and deployed it on Northwestern's Quest HPC cluster via Slurm: **5x faster**, **2x the crabs detected**, full-clip tracking
- Built a 2-DOF servo-actuated fiddler crab robot (Arduino Nano, 3D-printed parts) used on-field in Thailand for an international science and wildlife media production
- Wrote embedded motion-planning code and Python tools for real-time motion tuning

AWARDS & LEADERSHIP

KYSEF — research awards from the U.S. Air Force, Marine Corps, Navy, and General Electric (2024) · MIT MITES, Robotics & Science Writing (2023) · President, Northwestern NSBE JEB (2026)