

OBADAH ABOZAID

COMPUTER SCIENTIST & ENGINEER

Louisville, KY | 502-938-2488 | contact@obadah.net | obadah.net | [LinkedIn](#) | [GitHub](#)

Passionate computer scientist and engineer who builds software, embedded hardware, and the systems in between. Seeking a full-time software engineering role, shipping reliable products across the stack.

SKILLS

Programming Languages: C/C++, C#, Python, Java, JavaScript/TypeScript, Swift, ARM Assembly, Lua

Frameworks & Software: .NET 8/MAUI, Next.js/React, SwiftUI, FastAPI/Flask, PyTorch, spaCy, Docker

Cloud & Data: Oracle Cloud, AWS S3, Firebase/Firestore, Vertex AI, SQLite, Vercel, SEO & Analytics

Systems & Hardware: Linux, embedded systems, FPGAs, microcontrollers, TCP/IP, GPIO/PWM, JDK 8/17/21

EXPERIENCE

Full Stack Software Engineer

Jan 2026 - May 2026

Citation Labs

- Designed a FastAPI service for YouTube transcript and metadata extraction using yt-dlp and faster-whisper.
- Built an NLP pipeline combining spaCy NER, embeddings, and local LLMs to label and score citation hallucinations.
- Evaluated 812 production citations across GPT, Gemini, Google AI Overview, and AI Mode.

Technical Manager / Software Developer

Jan 2024 - Sep 2024

The Center for Positive Leadership

- Migrated a shipped iOS/Android app from Xamarin.Forms to .NET 8 MAUI, extending it to Windows and MacOS
- Embedded CanvasJS visualizations into scalable QualtricsXM surveys with custom JavaScript, HTML, and CSS; maintained WordPress SEO and analytics.

Embedded Systems Teaching Assistant / NSF Instructor

2024 - 2025

Engineering Hardware Lab & NSF Chip Camp

- Led digital-logic, soldering, FPGA, and microcontroller labs for approximately 30 students, including three implementations of a 4-bit adder.
- Maintained lab hardware, evaluated technical work, and mentored students through microprocessor design and debugging.

Selected Engineering Projects & Freelance

2023 - 2026

Independent / Client Work

- Won HackKentucky Grand Champion for Project OpenEye, a PyTorch/ResNet152 visual-geolocation system with a Next.js and Flask interface.
- Built and maintain a Next.js conference site for UofL Medicine and developed a SwiftUI/Firebase/Vertex AI iOS app for KIPDA.
- Developed a sub-millisecond Raspberry Pi FFT LED visualizer, a bare-metal C/C++ kernel with TCP cluster compute, and OCI game-server infrastructure with 3+ years of uptime.

Board-Certified Pharmacy Technician

Feb 2019 - May 2026

CVS Health

- Mastered RxConnect workflows and provided frontline hardware and technical support across seven pharmacy locations while maintaining accurate, high-throughput prescription operations.
- Trusted by regional leadership to support multiple locations and recognized for performance and service.

EDUCATION

Bachelor of Science in Computer Science & Engineering

May 2026

J.B. Speed School of Engineering, University of Louisville | Louisville, KY

ACTIVITIES

Leadership: Senior and junior class president.

Music: U.S. Marine Corps Semper Fidelis Award for Musical Excellence; jazz and bass trombone.