

Logan Leatherwood

Software Engineer with hands-on experience building FastAPI and Dart backends with React Native and Flutter frontends to deliver responsive mobile APIs and interfaces. Improved developer productivity by integrating generative AI tools and evaluating model checkpoints to recommend top-performing variants. Seeking to apply machine learning and backend expertise to build reliable, testable systems that accelerate delivery.

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EDUCATION

Bachelor's in Computer Science

University of Mississippi, Oxford, MS—Aug 2022 – May 2026

Major in B.A. Computer Science, Minor in Entrepreneurship

Courses in Generative AI, Mobile Development, Cybersecurity, and Marketing Entrepreneurship.

Built Cross-platform PWAs for budget tracking and task management, and deployed applications to both internal and external servers.

PROJECTS

FreshTrace

Senior Project

A progressive web application that lets households track their groceries' freshness with an estimated expiration date, and recommends recipes via LLM integration with Gemini.

ProdWars

Producer Battle Application

Combining my love for music with app development to build a platform where producers compete in ranked beat-battles, inspired by ranked multiplayer applications. Supabase data buckets and scripts help create randomized 'battle packs'.

SKILLS

Machine Learning, Database Management, Frontend Frameworks, AI Collaboration, Mobile Development, Python, API Testing, Flutter, UI/UX Design, App Deployment

EMPLOYMENT HISTORY

LLM Intern

Sparq, Inc., Remote— May 2025 – Jul 2025

- Developed a task manager using generative AI tools, improving developer productivity with measurable results.
- Designed and implemented a FastAPI backend in Python to support scalable API endpoints and efficient data handling.
- Built a React Native frontend to deliver a cross-platform mobile interface with improved user responsiveness.
- Researched application of generative AI for code generation, debugging, and security features, producing actionable recommendations.
- Evaluated fine-tuning checkpoints on held-out prompts and recommended top-performing model variants for deployment.

Expeditor

CountryClub of Oxford, Oxford, MS— Apr 2023 – Jul 2026

- Balanced rigorous academic schedule with expeditor responsibilities to improve verbal and written communication skills.

LINKS

Professional Portfolio: loganleatherwood.com [LinkedIn](#)