# Lawrence Millard

A Level student at Repton School · Derby, UK · Seeking a remote software engineering internship

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I build and ship self-hosted developer tools in Rust and TypeScript, and contribute to open-source iOS software. Looking for a remote internship where I can own features and put that work into production.

## PROJECTS

### cap-rust

Rust, PostgreSQL, Docker

Built a self-hosted, Cap-compatible recording server so Cap Desktop can sign in, record, upload and play back against Postgres and local disk. One process, with Argon2 auth, JWTs and API keys, signed uploads, ffmpeg muxing for Instant Mode, and public share and embed pages.

### usage.lan

Rust, WASM, SQLite

Built a local AI usage and spend dashboard that reads token data already on the machine from OpenCode, Codex and Cursor, then serves a live Rust/WASM UI. Data stays local. Axum server, shared pricing crate, optional TLS.

### Trop

Swift, iOS

Contributor to Trop, an open-source YouTube Music client for iOS in Swift (29★). Work included the offline downloads library, YouTube comments, and fixes for search, playback caching and image preloading.

### millard.ink

Next.js, TypeScript, tRPC, Drizzle

Designed and shipped my personal site in Next.js, TypeScript, tRPC and Drizzle, with writing and a projects section for the tools I run, including cap-rust and usage.lan.

Also write TypeScript Discord bots for server tooling, including tickets, moderation and verification.

## EDUCATION

### Repton School

Sep 2026 – Jul 2028

A Levels in Business, Politics and Psychology (in progress)

### Repton School

2024 – 2026

GCSEs

## CERTIFICATIONS

### Bronze Duke of Edinburgh's Award

## SKILLS

| | |
|---|---|
| Advanced | Python |
| Intermediate | Rust, Next.js, Go, PostgreSQL, SQLite |
| Beginner | AppleScript |
| Also used | TypeScript, JavaScript |