

Lawson Hart

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SUMMARY

Full-stack developer with 5 years of project experience building real-time, multiuser platforms and media integration tools. Skilled across modern web technologies, database management, and scalable API design, with a focus on shipping responsive, user-centered applications from concept to production.

EDUCATION

Bachelor of Science in Computer Science

Expected Graduation 2027

The University of Texas at Dallas in Richardson, TX

Relevant Coursework: Software Engineering, Data Structures and Algorithm Analysis

Associate of Science in Computer Science

Graduated 2025

Dallas College in Dallas, TX

GPA 3.6/4.0

SKILLS

Tools/Technology: Node.js, Bun, TypeScript, Redis, PostgreSQL, MongoDB, C++, Java

Frameworks: React, Next.js, Vue, Svelte

PROJECTS

Online Party Games Platform (*games.lawsonhart.me*)

- Built real-time multiplayer games on a local-first sync engine (Rocicorp Zero) so everyone in a shared room sees lobbies, chat, and game phases update instantly without refreshing or polling.
- Created an anti-cheat flow for two solo puzzle games where the server regenerates each puzzle from its seed and replays the player's submitted solution before accepting a score.
- Developed a moderation dashboard that lets an admin watch live sessions, end games, ban by session, IP, or region, and push instant broadcasts to every connected player over WebSockets.

Live Streaming Music Activity Display Platform (*fast.jamlog.lol*)

- Developed a full-stack web app using Bun, Hono, and SvelteKit that serves a customizable music widget to streamers through one shareable URL.
- Engineered how the app fetches data to pull from each user's own connection instead of a shared server, removing an API based rate limit and allowing it to scale to 500+ concurrent users.
- Added a Redis caching layer that keeps the widget running during slow or failed requests, preventing the overlay from freezing on a live stream.
- Created a drag-and-drop editor that lets users design their own layout with no code and saves the entire design into the shareable link itself.

AWARDS AND SCHOLARSHIPS

Bruce T. Halle Foundation Scholarship

2022/2023

OTHER EXPERIENCE

Food Service Worker

May 2021-Nov 2022

Sonic Drive-In in Mesquite, TX

- Coordinated team members to ensure efficient service, quality standards, and customer satisfaction in a fast-paced environment.
- Guided new team members, fostering a collaborative work environment and improving overall service efficiency.