Lawson Hart

Dallas, TX 75150 · (214) 616-8103 · me@lawsonhart.me
linkedin.com/in/lawson-hart/ · github.com/oyuh

SUMMARY

Software engineer delivering reliable, user-centered web applications end to end; covering system design, scalable API development, secure authentication and authorization, real-time synchronization, and performance optimization.

EDUCATION

Bachelor of Science in Computer Science   Expected Graduation May 2027
The University of Texas at Dallas in Richardson, TX
Relevant Coursework: Computer Architecture, Data Structures and Algorithm Analysis

Associate of Science in Computer Science   Graduated August 2025
Dallas College in Dallas, TX   GPA 3.6/4.0

SKILLS

Languages/Technologies: C++, Java, Python, Node.js, TypeScript, MongoDB, Redis, PostgreSQL
Frameworks/Libraries: React, Next.js, Tailwind, Material UI, ExpressJS, Astro
Platforms/DevOps: Vercel, Cloudflare

PROJECTS

Multiplayer Party Games Platform | *Next.js, React, PostgreSQL, TypeScript, Tailwind*
- Developed a multiplayer online platform with lobbies, voting, scoring, rate limiting, and live synchronization to deliver engaging, reliable social gaming experiences.
- Architected responsive front-end and efficient back-end systems that ensured smooth gameplay, seamless cross-device support, and stable deployment.
- Enhanced scalability and security by implementing RBAC, API rate limiting, and database indexing, increasing system resilience and supporting high concurrency.
- Leveraged serverless architecture with Next.js on Vercel to handle game sessions and real-time events, proving lightweight cloud-native solutions can deliver high availability and responsiveness comparable to dedicated servers.

Music Activity Display Platform | *Next.js, TypeScript, MongoDB, Spotify Web API*
- Built a full-stack platform for customizable real-time Spotify activity displays with OAuth authentication, privacy-first controls, and seamless online streaming integration.
- Engineered scalable data flows and secure API integrations that maintained reliability under active usage while supporting personalization and privacy features.
- Implemented real-time state synchronization and caching strategies to ensure low-latency, reliable user experiences.

AWARDS AND SCHOLARSHIPS

Bruce T. Halle Foundation Scholarship   2023/2024

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 in a collaborative work environment and improving overall service efficiency.