

Hector Leija

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EDUCATION

Instituto Tecnológico de Nuevo Laredo | B.S. in Computer Systems Engineering | Expected July 2028

- **Relevant Coursework:** Data Structures and Algorithms, Database Management, Software Engineering, Object-Oriented Programming, Web Development.
- **Focus:** Developing modern, functional, and well-optimized visual experiences.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), C#, HTML5, CSS3, SQL.
- **Frameworks & Environments:** Node.js, Electron.
- **Developer Tools:** Git, GitHub, VS Code, Supabase (BaaS), SQLite.
- **Core Competencies:** UI/UX Design, Cross-platform Desktop Development, API Integration, Relational Databases.
- **Languages:** Spanish (Native), English (Technical Proficiency - Level 3).

PROJECTS

MP3 Player Desktop Application | Electron, Node.js, Supabase, GitHub

- Developed a cross-platform desktop music player focusing on a modern user interface and seamless performance.
- Implemented an Automated Update System (OTA) using GitHub, enabling seamless delivery of new features and bug fixes to end-users.
- Integrated Supabase for cloud-based data management and user authentication, ensuring data persistence and security.
- Managed software versioning and deployment through GitHub repositories.

Bakery Management System (Panadería Electron) | Electron, JavaScript, SQLite, Node.js

- Engineered a desktop solution for local business administration, automating sales tracking and inventory processes.
- Designed and implemented a robust local database using SQLite to manage product catalogs and transaction history efficiently.
- Focused on UI/UX Optimization, creating an intuitive interface that reduced user onboarding time and improved operational speed.
- Utilized Node.js to bridge the gap between web technologies and native desktop environments.

Restaurant Web Platform | HTML, CSS, JavaScript

- Built a fully responsive web application for a restaurant, featuring an interactive menu and modern visual effects.
- Applied advanced CSS techniques to ensure a high-quality aesthetic across all device sizes.
- Optimized web performance following a process focused on analysis, design, and clear code delivery.