

Claudia Tobias

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EDUCATION

Instituto Tecnológico de Estudios Superiores de Monterrey

Expected Graduation Date: 2026

Bachelor in Computer Science and Technology

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Discrete Mathematics, Internet of Things.

PROFESSIONAL EXPERIENCE

Social Service – CIBRUC (Monterrey, Nuevo León)

Jan 2023 – Jun 2023

Project Manager

- Recorded and tracked project milestones, updates, and accomplishments, ensuring transparent communication with stakeholders and demonstrating progress.
- Designed, executed, and managed the end-to-end project plan, considering all aspects of execution, timelines, and resource allocation.
- Provided leadership and mentorship to a team of 20 individuals, cultivating a collaborative and high-achieving atmosphere, which contributed to the successful execution of the project.

Associate - OperadoresMx (Monterrey, Nuevo León)

Jul 2023 – Agu 2023

Software Developer

- Optimized user experience by updating and maintaining the website, resulting in improved functionality and user satisfaction.
- Crafted a dynamic internal tool with HTML, JavaScript, CSS, PHP, and SQL to efficiently manage and store employee information within a database, optimizing data handling and accessibility for enhanced operational performance.
- Provided technical support and training to colleagues on utilizing the internal tool effectively, fostering widespread adoption and maximizing its impact on operational efficiency.

PROJECTS- Portfolio: <https://claudia-tobias.netlify.app>

Security System

- Collaborated with a team to develop an automated security system aimed at ensuring the well-being of elderly individuals and providing peace of mind to their families., utilizing Python and Arduino.
- Utilized JavaScript to craft an intuitive web interface for monitoring household elements such as lighting and temperature, while implementing SQL for data storage
- Achieved 3rd place in the "Expo Ingenierías," surpassing +300 projects.

Streaming System

- Designed and developed an efficient and scalable streaming service, using C++. This project optimized content delivery and enhanced the user experience.

Formula 1 Simulation

- Engineered a Formula 1 simulation, leveraging MATLAB to meticulously design a high-fidelity track segment mirroring F1 circuits. This segment served as a crucial element within the simulation, aimed at accurately replicating and analyzing potential accidents for comprehensive safety assessment.

Malaria Detection

- Developed a malaria detection simulation to address the challenges faced by resource-limited countries in combating and diagnosing malaria using MATLAB based technologies.

CORE COMPETENCIES

Technical skills: R, Python, C++, MySQL, HTML, CSS, JavaScript, MatLab, Excel, PowerPoint, Word.
Language proficiency: English (B2), Spanish (Native).