

Kaled Noé Enríquez Trejo

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Education

Instituto Tecnológico de Estudios Superiores de Monterrey

B.S. in Computer Science and Technology. GPA 4.0

August 2022 - June 2026

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Internet of Things, Analysis of Software Requirements, Computational Architectures, Computational Mathematics, Implementation of Computational Methods.

Academic Talent Scholarship – ITESM (Instituto Tecnológico de Estudios Superiores de Monterrey)

Major Projects

Learning Limbo Dashboard | [Live Demo](#)

Full Stack Developer

Monterrey, N.L.

Work in progress

- Utilization of Next.js and React for the development of the user interface, providing a smooth and dynamic experience for users. Hosted at **Vercel**.
- Implementation of Node.js and Express to create a robust and efficient API that handles server logic and communication with the database. The back-end is hosted at **Vercel**, and the database at **Railway**.
- Integration of a game developed in Unity within the website, offering an innovative and engaging way to complete quizzes.
- A robust system that allows students to answer quizzes through interactive games, and enables teachers to create and customize their own quizzes.

DropByDrop Water Consumption System | [Github](#)

Database and Hardware Developer

Monterrey, N.L.

November 2023

- Utilization of SQL to design and manage the database, ensuring efficient and secure storage of water monitoring data.
- Implementation of Arduino to create a hardware system that simulates the monitoring of water pressure and consumption through sensors. Additionally, alerts are triggered using LEDs in case of low pressure or abnormal consumption.
- Development of a mobile application in Unity, allowing users to set parameters and monitor in real-time the pressure and water consumption through simulated sensors.
- Creation of a RestAPI using Flask, facilitating communication between the mobile application and the hardware system, enabling real-time data exchange.

Skills

- Advanced English C1
- Python
- TypeScript
- HTML & CSS
- C++
- React
- Next JS
- MySQL & SQL Server
- NodeJS & Express
- Agile Methodologies