

Kaled Noé Enríquez Trejo

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EDUCATION

- Instituto Tecnológico de Estudios Superiores de Monterrey** Monterrey, N.L.
 - 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

EXPERIENCE

- Infosys Limited** Monterrey, N.L.
 - Infosys Instep Intern* Feb 2025 – Jun 2025
 - ML & AI Training:** Completed 3-month intensive training in Machine Learning and Artificial Intelligence, covering deep learning, fine-tuning large models, Retrieval-Augmented Generation (RAG), and other modern AI techniques.
 - Fine-Tuned Visual Language Model for Radiograph Analysis:** Designed and implemented a fine-tuned Visual Language Model (VLM) to analyze chest radiographs, generating medical image interpretations.
- Schneider Electric** Monterrey, N.L.
 - EDI Analyst Intern* October 2024 – Feb 2025
 - Error Resolution in EDI Orders:** Reviewed electronic data interchange (EDI) orders, ensuring all files adhered to the correct format. Solved errors or escalated issues when necessary.
 - File Validation and Troubleshooting:** Examined and verified data in EDI files to identify and resolve discrepancies, maintaining the integrity of the exchange process.
- Tecnológico de Monterrey** Monterrey, N.L.
 - Full-Stack Developer, On Campus Job* October 2024 – Feb 2025
 - Dynamic Front-End Development with Angular:** Developed a front-end interface in Angular to test dynamic "components" represented as APIs following the JSON:API standard.
 - Dynamic API Integration and Management:** Created a Flask API to fetch the structure of new components stored in Azure, dynamically generating URLs to interact with the APIs.
 - Flexible System for API Interactions:** Built a scalable front-end system enabling easy testing and integration of new APIs into the architecture without manual reconfiguration.

MAJOR PROJECTS

- DropByDrop Water Consumption System — GitHub** Monterrey, N.L.
 - Database and Hardware Developer* November 2023
 - Designed a water monitoring system:** Using SQL for database management, Arduino for hardware, and Flask-based RestAPI for real-time data exchange.
- AWAQ-BIO Biomonitoring App — GitHub** Monterrey, N.L.
 - Mobile App Developer* December 2024
 - Developed a Kotlin-based mobile application:** Designed for the AWAQ association's "biomonitors" to record observations of animal species on the Tec de Monterrey campus. Integrated Jetpack Compose for UI development.
 - Implemented offline-first data management:** Utilized Room for local database storage of species data and photos, enabling form submissions without requiring constant internet connectivity.
 - Enhanced authentication:** Incorporated Auth0 for secure login and JWT tokens for offline authentication, ensuring access even in remote areas.

SKILLS

- Languages and Tools:** Python, TypeScript, HTML, CSS, C++, Kotlin, React, Next.js, Angular, Flask, MySQL, SQL Server, Node.js, Express, Azure, Scikit-Learn, Pandas.
- Other Skills:** Advanced English (C1), Agile Methodologies, Data Analysis.