

# Luis Gerardo Juarez Garcia

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## EDUCATION

### Instituto Tecnológico y de Estudios Superiores de Monterrey

Monterrey, NL

*Bachelor of Science, Computer Science and Technology*

*Aug. 2022 – June 2026*

- Relevant Coursework: Calculus, Data Science and Mathematics, Object Oriented Programming, Statistical Analysis, Programming of Data Structures and Algorithms, Software Construction and Decision Making, IoT, Multiagents, Software Development

## EXPERIENCE

### SWE Intern – BAT Internship

Jun 2025 – Present

*HR IDT Intern*

*Monterrey, NL*

- Developed Python automation tools that replaced full-day workflows with one-click scripts.
- Built clustering logic to unify similar user records, improving data integrity.
- Created Power Apps for internal use and maintained Power BI dashboards across LATAM.

### Data Analyst / Developer – On Campus Intern

Feb. 2025 – Present

*Data management and dashboard development*

*Monterrey, NL*

- Built clustering pipelines with pandas, regex, and similarity scoring to reduce duplicate IDs by 90%.
- Created Power BI dashboards and Azure-connected ETL processes using Python and APIs.

### Data analyst – Didi Internship

Jul 2024 – Dec 2024

*DRV Onboarding and Data Intern*

*Monterrey, NL*

- Monitored background checks using SQL and built dashboards for fraud/compliance trends.
- Improved onboarding accuracy with graph-based clustering scripts and data grouping logic.

## MAJOR PROJECTS

### HowlX | [Git and Portfolio](#) | *Next.js, Node.js, Prisma, Git, Cypress, PostgreSQL, Looker Studio*

Feb 2025

- \* Implemented RBAC-secured call log dashboard with real-time transcription and key topic tracking.
- \* Integrated PostgreSQL with Looker Studio for stakeholder reports and dashboards.
- \* Wrote end-to-end tests with Cypress.
- \* **Won 1st Place** in the Technology Entrepreneurship category at Tecnológico de Monterrey 's **ExpoIngenierías** and **Best Development**, awarded by our corporate mentor **NEORIS**.

### RecicloApp | [Git and Portfolio](#) | *Swift, CoreML, MapKit, Git*

Oct 2024

- \* Developed an iOS app promoting responsible recycling, featuring a CoreML-powered waste identification scanner, an interactive MapKit-based recycling center locator, and a user-friendly interface built with SwiftUI.
- \* Designed and implemented the app's core functionalities, including machine learning model integration, real-time map updates, achieving 95 percent accuracy in waste classification.
- \* Selected to participate in the Expo Ingenierías ITESM 2024, receiving positive feedback from over 10 judges for its innovation and functionality.

### Viva Aeurobus Data Analysis | [Git and Portfolio](#) | *Python, Scikit-learn, Pandas, Matplotlib, Excel*

May 2024

- \* Developed cutting-edge machine learning prediction models to forecast passenger numbers and product sales for Viva Aerobus flights. Utilized advanced data preprocessing techniques and gradient boosted decision trees to deliver accurate and actionable insights, positioning our team among the top performers in the Datathon 2024.

## TECHNICAL SKILLS

**Languages:** Python, C++, SQL, JavaScript, HTML/CSS, Swift

**Frontend/Backend:** React, Firebase, Node.js, React.js, Next.js, Azure, Oracle Cloud

**Developer Tools:** Git, GitHub, Figma, Unity, MATLAB, VS Code, OpenAI, Power BI, Arduino, APIs, Jupyter Notebook