

# Alonso Alarcon

alejandro33p@icloud.com | (636)-104-4925 | [LinkedIn](#) | [github.com/alxxjandro](#) | [alxxjandro.com](#)

## EDUCATION

### Tecnologico de Monterrey

B.S. in Computer Science

Chihuahua, Mexico

Expected Graduation, Jun 2027

- o GPA: 9.5/10

- o Related Coursework: Data Structures & Algorithms, Object-Oriented Programming, Internet of Things, Computer Security, Advanced Algorithms, Statistics & Applications

## EXPERIENCE

### Autozone

Chihuahua, Chihuahua

Frontend Developer Intern

Aug 2025 – Present

- Improved data loading by 40% through optimized API sequencing and client-side state in React + TypeScript
- Automated HR reporting with React and Chart.js, adding Excel export features and reducing manual effort by 50%
- Received "Good Job Award" by General Services Manager for exceptional contribution to team performance, ownership beyond assigned tickets, and continuous delivery across multiple sprints

### Community Lab

Chihuahua, Chihuahua

Fullstack Developer Intern

Jun 2025 – Aug 2025

- Migrated company website to Next.js and React codebase, enhancing performance and scalability across 5+ pages
- Refactored the integration of REST APIs, optimizing the ETL flow of data between the frontend and backend components, resulting in a 12% decrease in average API response times for critical user functions

### RedEmprende

Chihuahua, Chihuahua

Frontend Developer Intern

Apr 2025 – Jun 2025

- Developed an interactive test using ChartJS to measure entrepreneurship likelihood, engaging 50+ monthly users
- Implemented a brochure download feature on Zoho Sites providing access to entrepreneurship resources, with up to 200+ monthly downloads

## PROJECTS

### Gestion+ - Tracking System

Team Lead - Oct 2025

- Developed a cross-platform app with React Native to manage inventory entries, exits, reports, and audits for a children's home supporting 200+ residents, used by 10+ recurring staff members
- Implemented real-time synchronization with a MySQL database on GCP, supporting 100+ concurrent users with JWT-secured authentication
- Led an 8-person development team, overseeing system architecture, database design, UI/UX, and cloud deployment

### Highpoint Eco's - Teacher Survey Management System

Team Member - May 2025

- Engineered a full-stack web platform for teacher evaluation data, processing data for over 3 months of evaluations, with a focus on UI and core backend APIs for data modeling and analysis
- Designed a responsive frontend with role-based access control for 3 user types (admin, coordinator, teacher), enhancing data security by restricting access based on roles

## ACTIVITIES AND LEADERSHIP

### Tecnologico de Monterrey – High School Tutoring Program

Delivered Python tutoring sessions to a class of 55 students

Aug 2025 – Dec 2025

### NASA Space Apps Challenge 2025 – Global Nominee

Pioneered a data-driven air-quality platform using NASA's TEMPO satellite, and Gemini AI for real-time analysis

Oct 2025

### CS Student Council Design & Media Assistant

Authored promotional materials and managed event branding for 3+ major council events

Jun 2024 – May 2025

### Community Food Drive – Animal Shelter Initiative

Coordinated a donation campaign collecting 150 kg of dog food for a local shelter

May 2024

## SKILLS

**Programming:** JavaScript, TypeScript, Python, C++, Java, HTML, CSS, C#, SQL (MySQL, PostgreSQL, MSSQL), MongoDB, R

**Tools & Frameworks:** React, Expo, Node, Express, Spring-boot, Webpack, Charts.js, Zustand, JWT, Postman, REST APIs, Prisma, Jest, Git, Docker, Figma, Linux CLI, Google Cloud Platform, Jira, Scrum, CI/CD, Agile

**Languages:** Spanish (Native), English ([C1 Certified](#))