Isaac Rojas Sosa

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EDUCATION

Tecnológico de Monterrey Expected Graduation: June 2026
B.S. Computer Science and Technology | ***GPA**: 93.5/100* *Monterrey, Mexico*
- **Coursework**: Data Structures and Algorithms, Object Oriented Programming, Data Science and Mathematics

EXPERIENCE

Software Engineer Intern Feb. 2024 – Present
Tecnológico de Monterrey *Remote*
- Streamlined student registration verification by developing a **Python** script that cross-referenced Excel data with a central database, identifying missing or inconsistent records across 26 campuses reduced manual workload by 25%.
- Developed and implemented a Python script that **automated data cleaning**, processing, and **SQL** insertion, reducing weekly processing time by **98%**(from 6-10 hours to minutes)
- Enhanced data integrity for 26 campuses' entrepreneurship events, leading to more reliable data-driven decisions for program development and student engagement.

Operations Intern Jul. 2024 – Present
DiDi *Monterrey, Mexico*
- Developed a **Python** script using Google Sheets API to automate coupon data analysis, optimizing promotion visibility for Peru, with planned expansion to Colombia, Mexico, and Costa Rica
- Optimized promotion selection, contributing to a 10% increase in coupon redemption rates across Peru operations

PROJECTS

Personal Portfolio | https://isaacrs-portafolio.vercel.app/ | *Next.js, Javascript,CSS*

JobHill | *Next.js, Python, Javascript, PostgreSQL, Supabase, CSS* Website | Github
- Built a web platform using **Next.js** for students to find tech internships, with 20+ users managing and tracking their applications through personalized dashboards.
- **Integrated Supabase for secure user authentication** and real-time job offer updates, ensuring a smooth and efficient experience.
- Automated **web scrapping** and **data extraction** to validate, clean, and integrate job application data into Supabase database, ensuring accurate and **real-time updates**.
- **Streamlined backend operations** by automating the retrieval of company logos via API and integrating them into the system, maintaining a robust and up-to-date database with **minimal manual intervention**.

Optifood | *Next.js, Javascript, Supabase, CSS* Github
- Developing a pantry tracking website to reduce food waste by generating personalized recipes that prioritize soon-to-expire items, while fostering a community for users to share their recipes.
- Led a team of four in developing the initial concept, securing a **top 10 placement out of 130 teams** at HackMTY 2023, Mexico's largest student hackathon certified by MLH.

Olli App | *React.js, Javascript, Python, Tensorflow, CSS* Github
- Developed an interactive web platform using **React.js**, enabling users to visualize and explore electricity consumption predictions with 90% accuracy.
- Implemented dynamic map features and logic to provide detailed, region-specific energy consumption data, enhancing user engagement and information accessibility.

Innovaction Gym Events | *React.js, Typescript, Flask, MySQL, CSS* Github | Demo
- Leding the **front-end** development of a React-based dashboard for the Innovaction Gym at Tec de Monterrey, featuring a dynamic calendar and interactive map to streamline event scheduling and location management.
- Designed an admin dashboard to optimize event registration, data management, and report generation, enhancing efficiency for staff overseeing events for 20+ student clubs and organizations.

TECHNICAL SKILLS

Programming Languages: **Proficient:** Javascript, Python, C++. **Beginner:** C#, PHP, R, MATLAB.
Technologies: Node.js, React.js, Next.js, Flask, Supabase, HtmlCSS, Vercel, SQL, Git, Unity, Github, Figma