

Oscar Alejandro Reyna Monreal

E-mail: oscarareynam@gmail.com

Phone: (81) 1689 9009

LinkedIn: [linkedin.com/in/oreynam](https://www.linkedin.com/in/oreynam)

EDUCATION

Monterrey Institute of Technology and Higher Education

Bachelor of Science in Computer Science and Technology with a Specialization in Data Analytics and Artificial Intelligence Tools

August 2019 - December 2023

Cumulative GPA: 3.36

WORK EXPERIENCE

Genesis Welding and Design Solutions SA de CV

Systems Manager & Translator

Monterrey, Nuevo León, México

August 2019 – Present

- Developed and executed a company-wide data backup strategy, enhancing disaster recovery and data integrity.
- Authored and maintained comprehensive technical documentation, including system architecture and secure password management.
- Maintained optimal performance of workstations and servers through rigorous bi-monthly maintenance protocols, including hardware diagnostics, software updates, and performance tuning, resulting in improved system reliability and user productivity.
- Provided precise consecutive translation services during business meetings, accurately conveying complex technical and business concepts between multilingual stakeholders.
- Effectively implemented email filtering mechanisms to mitigate the influx of unsolicited or spam emails, thereby enhancing the efficiency and security of email communications.

MAJOR PROJECTS

Aiko Discord Bot: Python

September 2021 – Present

- Developed a bot for interactive communication and multimedia management within voice channels..
- The bot responds to user messages with standard text and integrates functionalities for controlling YouTube playback, including play, pause, resume, and skip features, directly within voice channels and it features a queue system to manage and play YouTube songs in order.
- Future enhancements include incorporating a keyword search functionality for YouTube and integrating OpenAI capabilities for enhanced interaction.

Project Popcorn Polarity: Python, JavaScript, React.js, Node.js

September – December 2023

- Developed a machine learning model inspired by DistilBERT in Python, designed to handle the complexity of human language within a digital context through a detailed sentiment analysis predictor, achieving a 93.7% accuracy rate.
- Incorporated a training set of 10,000 movie and TV series reviews, evenly split into negative and positive categories.
- Collaborated with four team members in developing Python functions, a React.js web application, and integrating APIs with Node.js, ultimately co-authoring a technical paper on the model.

Wizeline WizePMt: Python, TypeScript, JavaScript, React.js, Node.js, Cypress, SQL

February - June 2023

- Developed a React-based web application aimed at modernizing project and employee profile management for Wizeline.
- Engineered an automated system to autofill employee information from LinkedIn into profiles, significantly reducing manual data entry and enhancing accuracy.
- Proposed and implemented database structures and procedures, utilizing AI to optimize project management and resume creation processes by an estimated 70%.
- Reported on the technical and financial aspects of the project to Wizeline's Board of Directors, collaborating with five team members and three mentors to deliver comprehensive presentations and documentation.

SKILLS

Programming Languages

- Python, TypeScript, C++, C#, JavaScript, SQL, MATLAB

Frameworks and Technologies

- Node.js, React, Git, PostgreSQL, HTML, CSS, OpenAI, Cypress, Docker, Unity3D, SolidWorks, Yaskawa Robot

AWARDS AND CERTIFICATIONS

Awards

FIRST Robotics: Rookie All-Star Award given to distinguished first-generation teams who influenced students into learning about science and technology.

Certifications

FreeCodeCamp: Front End Development Libraries
FreeCodeCamp: Javascript Algorithms and Data Structures
FreeCodeCamp: Responsive Web Design