Mariela Quintanar

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Education

Tecnológico de Monterrey (Guadalajara)   August 2022 – June 2026 (Expected)

Bachelor of Science in Computer Science   *GPA: 90 / 100*

Relevant Coursework: Data structures, Algorithms, Data Science for Decision Making, Computer Science, OOP

Experience

Software Engineer Intern   **June 2025 - August 2025**

Datadog   *New York, USA*

- Improved query observability in Database Monitoring by designing a unified view of query types and their intersections, enabling faster identification of critical queries across hosts.
- Enhanced team efficiency by exposing key metrics (e.g., execution count, duration, plan flips) through scalable filtering, improving prioritization and performance analysis.

Database Support Intern   **June 2024 - March 2025**

Oracle   *Guadalajara, MX*

- Developed an Oracle tools application, reducing search time by 80%. Previously, engineers navigated multiple pages, taking 2-5 minutes on average. This new design consolidates resources, saving around 10 hours per week for the support team.
- Implemented a global support engineer contact page, reducing search time by 10-15 minutes and improving usability for finding colleagues available on weekends.

Projects

AI Tools Website | *Github*   February – May 2024

- Successfully conceptualized, designed, and developed an innovative application for Wizeline, organized by filters to help individuals discover AI tools depending on their features.
- Enhanced user experience by enabling individuals interested in AI tools to quickly and efficiently find relevant AI tools tailored to their specific needs, thus reducing the time and effort previously spent on manual searches.

2026 FIFA World Cup Prediction | *Github*   June – July 2023

- Implemented a linear regression model, utilizing carefully curated historical World Cup data. This decision-support tool assists in making well-informed betting choices for the next World Cup victorious team.
- Performed data collection and pre-processing, including cleansing and shaping, to ensure modeling quality. Integrated Seaborn, Pandas, and scikit-learn for improved data tasks and model evaluation.

Truth or Drink | *Github*   June – July 2023

- Developed an engaging Truth or Dare game application, that will help participants develop a sense of closeness and camaraderie, by sharing secrets and personal anecdotes.
- Built an application using Swift and open-source APIs to enhance user engagement through the creation of an immersive and captivating gaming experience.

Certifications

- Oracle APEX Cloud Developer Professional (1Z0-770) — Oracle University
- Python from zero to pro programer — UDEMY
- The Complete Oracle SQL Certification Course — UDEMY

Technical Skills

- Languages: Python 3, C++, SQL, HTML, CSS, Matlab, JavaScript.
- Developer Tools: Git, Github, AWS, Oracle APEX.
- Libraries: pandas, NumPy, Matplotlib, Arduino, Seaborn, OpenCV, Tensorflow.
- DBs: Oracle DB, MySQL, Firebase, Postgres, Mongo DB.