JESUS MENDOZA

Ridgewood, NY 11385 | (C) (718) 843-9813 | jgmc94@outlook.com | (W) jgmc94.github.io/portfolio

TECHNICAL SKILLS
Database: Oracle SQL Developer, MySQL, MS SQL Server
Web: HTML, CSS, JavaScript
Server Side: Python, Java, JSP
Other: Microsoft Word, PowerPoint, Excel, Visual Studio
Code, Eclipse, Android Studio

EDUCATION
Graduated June 2019

Bachelor of Technology: Computer Systems Technology, Concentration in Database Development
CUNY New York City College of Technology, 300 Jay Street, Brooklyn, NY 11201
· Coursework in Database Development, Web Design, and Programming

AREAS OF KNOWLEDGE

Enhanced Entity Relational Models	Extracting, Transforming, Loading
Logical/Physical Model Development	Project Management Methodology
Normalization	Construction of Data Dictionaries
PL/SQL and SQL	Bilingual (English/Spanish)
Entry Level Data Warehousing	

INTERNSHIP
Database Admin Intern at CUNY New York City College of Technology (Jan - June 2019)
· Developed new and updated old databases worked on by past interns
· Migrated a database from a Linux system to a Windows system
· Discovered underlying issues with software being used (mainly outdated)
· Reported final findings and solutions that would help next year's interns get a head start, cutting possible loss of time in half
· Constantly updated our personal wiki pages on what goals were achieved and the issues that were found

DATABASE DEVELOPMENT EXPERIENCE
Design Micro Database for Car Rental System Project (Jan 2022)
· Used business requirements to create an EER model
· Transformed the EER model into a Logical model and then normalized it in 3rd normal form (3NF)
· Used the normalized logical model to create a Physical model along with a data dictionary
· Generated a physical schema using Oracle SQL Developer data descriptive language (DDL)
· Generated scripts in which data manipulation language (DML) was tested
· Added and updated previous records to better test the performance of the database
· Created stored procedures to easily acquire business reports deemed necessary to optimize business performance
· Created secondary indexes to enhance the performance of the business report queries previously created
· Generated views for each of the business reports previously created
· Added users to the databases and granted permissions to each user

Design of micro database for Airline Reservation System Project (Feb 2022)
· Designed a database using an EER model as well as a normalized logical model
· Created 9 stored procedures that were used to retrieve information using PL/SQL
· Created a sequence to automatically generate ID numbers within a customer table

Full Stack Design Enhancement (Mar – Apr 2022)
· Linked previously created database with a newly designed airline website
· Designed website using HTML and CSS
· Created small logo for the website
· Updated previous stored procedures to include out parameters
· Added a system reference cursor to retrieve multiple lines of data to the frontend of the application
· Used Python to integrate the database with the website, successfully linking the frontend and backend

CERTIFICATIONS
· Certified in SQL Database Fundamentals conferred by Microsoft Virtual Academy