

JESUS MENDOZA

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TECHNICAL SKILLS

Database: Oracle SQL Developer, MySQL, Microsoft SQL Server

Web: HTML, CSS, JavaScript

Programming: Java, JSP, Eclipse, Android Studio

Other: Microsoft Word, PowerPoint, Excel, Visual 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

Logical/Physical Model Development

Normalization

PL/SQL and SQL

Entry Level Understanding of Data Warehousing

Extracting, Transforming, Loading (Minimal)

Project Management Methodology

Construction of Data Dictionaries

Bilingual (English/Spanish)

INTERNSHIP

Database Admin Intern at CUNY New York City College of Technology (Jan - May 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- Discovered underlying issues with software being used (mainly outdated)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 JSP to integrate the database with the website, successfully linking the frontend and backend

CERTIFICATIONS

- Certified in SQL Database Fundamentals conferred by Microsoft Virtual Academy