

# GARRISON LOWE

Data Analyst - Business Intelligence Analyst - Power BI Developer

LinkedIn: <https://www.linkedin.com/in/garrison-lowee/> | Portfolio: <https://garrisonportfol.io/>

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## EDUCATION

Texas Tech University

Graduated May 2022

Bachelor of Business Administration in **Information Technology - Business & Data Analysis**

## EXPERIENCE

Ernst & Young (EY)

June 2022 – Present

Analyst - Microsoft Power Platform

San Antonio, Texas / Dallas, Texas

- Led the development of an internal-use **Canvas application** that streamlined engagement opportunity input and management for partners and senior management. Integrated with Dataverse to enable seamless data handling, including **Power BI** dashboards and progress tracking.
- Worked closely with clients to collect their **requirements** and seamlessly integrate various functionalities such as entities, **dashboards**, flows, and relationships into their Model-Driven applications.
- Led multiple comprehensive training sessions for over 20 mental healthcare professionals on a new **EHR system**.
- Led thorough **testing of Model-Driven Applications** and Web Portals, identifying, documenting, and overseeing defect resolution to ensure high-quality, production-ready deliverables.
- Helped direct testing and optimization of **Electronic Data Interchange** via SFTP for a high-volume project, enhancing data transfer efficiency by 30% through rigorous validation and performance tuning.

NovoDyn Advisors, LLC

May 2021 – August 2021

Database Management Intern

Houston, Texas

- Designed and implemented a **C#** script to automate data cleaning, transformation, and loading, enhancing data quality and streamlining ingestion into **PostgreSQL** databases.
- Collaborated in the deployment of PostgreSQL databases on **Amazon Web Services (AWS)**, ensuring scalability and optimal performance.
- Contributed to the creation and structuring of PostgreSQL databases, aligning design with business requirements.
- Developed comprehensive requirements and test plans for software applications to ensure functionality, reliability, and user satisfaction.
- Reviewed, refined, and optimized **SQL queries** in PGAdmin to improve database performance and ensure seamless operations.

## PROJECTS

**ShopEasy Marketing Data Analysis** - [Link](#)

- Conducted marketing analysis with **SQL**, **Python**, and **Power BI**, focusing on conversion rates, social media, and reviews, using a **custom sentiment model** for deeper insights.

**Walmart Sales SQL Analysis** - [Link](#)

- This project uses **Python (Pandas)** for data exploration and cleaning and **advanced SQL** to analyze Walmart sales data, revealing insights into revenue trends, branch performance, customer behavior, and operations.

**Breast Cancer Prediction App** - [Link](#)

- Used **Python** for data cleaning and model building, developing a **logistic regression model** with **SciKit-learn** to predict if cells are benign or malignant. Designed and deployed a **Streamlit** app to visualize predictions and share results.

## SKILLS

**Programming Languages:** SQL, Python (Pandas, Numpy, Matplotlib, Sci-kit Learn, Streamlit), C#

**Database Technologies:** MySQL, PostgreSQL, MS SQL Server, PGAdmin, Amazon S3, Microsoft Dataverse

**Tools:** Azure, AWS, Power BI, Tableau, Excel, Redshift, Databricks, Git, Data Factory, Power Apps, VS Code

## CERTIFICATIONS

- PL-300: Microsoft Power BI Data Analyst Jan 2025
- DP-900: Microsoft Azure Data Fundamentals Feb 2025
- DP-300: Microsoft Azure Database Administrator Associate May 2025
- PL-200: Microsoft Power Platform Functional Consultant Aug 2023
- PL-100: Microsoft Power Platform App Maker Associate Jan 2023
- PL-900: Microsoft Power Platform Fundamentals Aug 2022