

KAREN CASTILLO

385-326-9195 | krm1141198@gmail.com | linkedin.com/karen-l-castillo | github.com/karenlc4

Education

Brigham Young University - Idaho

Bachelor of Science in Data Science

July 2025

Rexburg, ID

- **GPA:** 3.5
- **Relevant Coursework:** Big Data Programming, Data Wrangling/Visualization, Applied Linear Regression

Skills Summary

- SQL, Python, R, Polars, PySpark, SparkSQL, Power BI, Tableau, Databricks, Docker, Microsoft Excel

Professional Experience

Brigham Young University Idaho

February 2025 - Present

Data Analyst

Rexburg, ID

- Collaborated with 3 full-time analysts to build SQL queries and Power BI dashboards, streamlining reporting processes and assisting departments to access real-time insights and make data-driven decisions faster.
- Wrote and optimized SQL queries to extract, transform, and analyze data based on departmental requests, providing faster access to insights and supporting decision-making across 5+ university units.
- Developed multiple interactive dashboards in Power BI to visualize trends across departments, supporting over 30 staff members with clearer insights and lowering reporting time by approximately 40%.

Brigham Young University Idaho

January 2024 - Present

Online Teaching Assistant- MATH 221 (Statistics)

Rexburg, ID

- Scored 50+ assignments and projects for an online statistics course, delivering detailed feedback on statistical methods and data analysis techniques to enhance student comprehension and performance.
- Led 4+ exam review sessions each semester, applied real examples and guided practice to reinforce statistical concepts, resulting in a 15% average improvement in student test scores.
- Delivered one-on-one tutoring to 10+ students per term, breaking down complex statistical concepts and guiding them through problem-solving strategies, leading to improved assignment scores and increased course confidence.

Brigham Young University Idaho

January 2022 - April 2023

Online Teaching Assistant-Grader

Rexburg, ID

- Evaluated and graded 500+ student assignments weekly applied a standardized rubric, ensuring consistent assessments and maintaining 100% accuracy in grade records submitted through Power Apps.
- Identified and corrected grading discrepancies across 500+ weekly submissions, enhancing the accuracy and reliability of assessment data used for academic performance reviews.
- Communicated weekly with 1 supervisor to align on assessing policies and deadlines, and adapted workflows in Power Apps to streamline assignment evaluation, reducing grading time by approximately 20%.

Projects

Family Search

September 2024 - December 2024

Student Data Consultant

Rexburg, ID

- Improved integrity of a 10,000+ row dataset by identifying and resolving inconsistencies across multiple fields implementing Python with Polars and Pandas, ensuring standardized and complete data for accurate downstream analysis.
- Automated the detection of missing and conflicting values using Python with Polars and Pandas, reducing manual correction time by 50% and increasing data consistency across 6+ data categories.
- Co- developed a user-friendly web app using Streamlit and Python, enabling real-time dataset uploads and analysis; generated interactive visualizations that helped 20+ users monitor data quality and extract actionable insights efficiently.