

## EDUCATION

### Brigham Young University-Idaho

Apr 2025

BS, Data Science - Accounting Minor – Machine Learning Certificate

Rexburg, ID

-GPA: 3.89 - Member of Data Science Society

## SKILLS

**Advanced:** Software & Languages (R, Python, Pandas, Polars, SQL), Machine Learning (TensorFlow, Scikit-Learn, Time Series, Demand Forecasting), Data Visualization (Tableau, Power BI, ggplot)

**Competent:** Web Development (HTML, CSS, JavaScript, PHP), Programming (C#, PySpark), Infrastructure (APIs, Data Pipelines, Database Management), Tools (Excel, VBA, Adobe Suite)

## WORK EXPERIENCE

### MACHINE LEARNING ENGINEER INTERN

#### PIC Business Systems

June 2023 – Present

San Antonio, TX

- Developed a 90-day sales forecasting ensembled model and an interactive dashboard for product performance, resulting in a 30% improvement in median forecast MAPE
- Enhanced data quality by integrating external factors such as weather and date, using APIs and Pandas to create additional features for the model
- Automated monthly forecasting and database updates by leveraging AWS Lambda and S3 Buckets, enabling easy access to forecasts and reducing manual efforts

### TA/TUTOR

#### BYU-Idaho

April 2024 – Present

Rexburg, ID

- Served as a teaching assistant and tutor for “Intro to Programming,” “Math for the Real World,” “Data Wrangling and Visualization,” “Data Science Programing,” and “Biostatistics”
- Led group and one-on-one tutoring sessions focused on Python, R, Excel, and arithmetic
- Provided general data science support at the Data Science Tutoring Lab, assisting students across various data science and mathematics courses with Python, R, and other coursework-related questions

### TEAM LEAD/DEVELOPER

#### BYU-Idaho McKay Maclab

Jan 2023 – Present

Rexburg, ID

- Collaborated with team of 4 in full stack developments of Maclab and Library website and 3D printing queue for patron use, including TTL policies
- Conducted interviews, reviewed resumes to screen candidates, and provided training to new employees
- Facilitated weekly meetings to discuss goals, track task progress, and deliver short training sessions to the team
- Designed interactive streamlit dashboards to track KPI performance, resulting in a 14% average improvement across all metrics

### INTERN

#### George W. Lowry Inc.

Sept 2023 – Dec 2023

Salida, CA

- Optimized SQL queries and database architecture, reducing report generation time from 2+ hours to 5 minutes through improved indexing and query restructuring
- Identified and implemented an AWS EC2 instance, increasing computing power while lowering costs, reducing server crashes, and improving efficiency
- Developed a CRM using a PHP framework, enhancing location data tracking and streamlining communication between salesmen and delivery drivers for improved logistics