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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: - R, Python, Pandas, Polars, SQL - Machine Learning, Demand Forecasting, TensorFlow, Scikit-Learn, Time Series - Tableau, Power BI

Competent: - HTML, CSS, JavaScript, PHP, PySpark, C# - APIs, Data Pipelines, Database Managemet, PySpark, - 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 mathmatics 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