


ORRIN WHEELER

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PROFESSIONAL SUMMARY

Professional within the Data Science community with experience implementing models for various business needs. I enjoy working to spread better data practices and promoting awareness of the data science toolkit across organizational levels. Master's in Information Technology and Management with a Business Analytics concentration and Bachelor's in Mathematics. Professional Data Scientist and Machine Learning Engineer.

SKILLS

Machine Learning

Team Collaboration

Feature Engineering

Python Programming

Statistical Analysis

Data Visualization

Data Wrangling

SQL Expertise

Data Mining Techniques

Business requirements gathering

Natural Language Processing

Data Modeling

EDUCATION

University of North Carolina
Greensboro
Greensboro, NC • 12/2017

*MS: Information Technology and
Management with a concentration
in Business Analytics*

Appalachian State University
Boone, NC • 12/2013

*BS: Mathematics, Secondary
Education*

WORK HISTORY

Biogen - Manager, PS Data Engineering

11/2019 - Current

- Worked with colleagues across the company to bring the Biogen Data Science Key Expert Group to cross-functionally promote data science practices and give a greater voice to the quality data science work going on all around the company
- Lead analyst for Patient Services Rare Disease states supporting both senior leadership and frontline agents. Responsible for all analysis, dashboarding, and Data Engineering work for Rare Disease State programs within Patient Services
- Provided dashboard support to the RDS team. Including extending capabilities of existing dashboards to meet team needs and development of new tools to monitor naive projects
- Worked with IT teams to determine requirements and timelines for transitioning from an on premises data warehouse to a cloud based data warehousing solution from a reporting and metrics perspective
- Spearheaded the development and optimization of multiple reporting-ready datasets, playing an instrumental role in facilitating the successful launch of various new products.
- This included working with vendors to determine appropriate data feeds and contracts, working with IT to programmatically ingest data feeds into our systems, building views/tables in the data warehouse, and preparing launch ready reports and metrics in time for PDUFA
- Performed statistical analysis on the efficacy/efficiency of programs and their effect on patient experience and retention
- Automated repetitive tasks using scripting languages such as Python or R, saving time during the analytical process significantly.
- Evaluated emerging technologies to assess potential applications within the organization's existing infrastructure or future projects.
- Ensured compliance with industry regulations and data privacy standards, mitigating risks associated with sensitive information handling.
- Utilized data visualization tools to effectively communicate business insights.

AWARDS

- Presidential Award - 02/2021
- Be a Force - Together We Thrive Award - 04/2022
- Selected for First Annual Innovation Rodeo - 03/2023
- Vice Presidents Award - 02/2024

Accrue Partners - Data Science Contractor

07/2019 - 11/2019

- Work with clients to determine project scope, estimate timelines, KPI's and define appropriate project checkpoints with project stakeholders and project managers
- Build a variety of machine learning models to meet client project needs
- Determine project appropriate KPI's and develop ongoing reporting for continued monitoring.

Lincoln Financial Group - Data Scientist

05/2018 - 07/2019

- Used statistical analysis to provide insight into consumer profiles for various products and presented these findings to shareholders and senior leadership.
- Worked with other business leaders to create an Analytics Center of Excellence that served to set up guidelines, governance, and best practices for all analytics groups throughout Lincoln Financial
- Produced upsell leads for sales teams by creating an Extreme Gradient Boosted tree model predicting coverage need using demographic data mined from multiple data sources and comparing the result to policy holder's current coverages
- Developed a Customer segmentation model to better understand the purchasing habits of our consumers and identify when a someone might be a better fit for a different product.
- Served as a mentor to actuaries with a vested interest in improving their data science techniques and practices to better service their team's needs.

Old Dominion Freight Line - Oracle Database Administrator

05/2016 - 05/2018

- Assisted in migrating databases to newer versions or alternate platforms, minimizing disruption to business operations.
- Conducted regular performance audits, identifying areas for improvement and adjusting configurations as needed.
- Troubleshoot database issues to create and resolve trouble tickets.
- Worked with customers and other third parties to support DBA functions.
- Participated in disaster recovery exercises, testing contingency plans to ensure minimal impact on business operations during emergency situations.