RYAN J. LONERGAN

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EDUCATION

University of Washington, *Michael G. Foster School of Business*   Seattle, WA
- Master of Science in Information Systems - GPA: 3.81   June 2020
  Focus: Data Science and Business Analytics
- Bachelor of Arts in Business Administration - GPA 3.35   June 2019
  Majors: Information Systems and Operations & Supply Chain Management

RELEVANT TECHNICAL SKILLS

Machine Learning, 4+ years: Anomaly Detection, Classification, Clustering, Exploratory Data Analysis, Feature Engineering, Neural Networks, Natural Language Processing, Prediction, Regression
Advanced Python, 5+ years: Beautiful Soup, Flask, Keras, Matplotlib, NLTK, NumPy, Pandas, Selenium, scikit-learn, SciPy, TensorFlow
Advanced SQL, 5+ years: pgAdmin, PostgreSQL, MySQL, MySQL Workbench
Advanced Excel, 7+ years: Decision Models, Forecasting, Linear and Non-Linear Programing, Statistics
Advanced Visualizations, 5+ years: Bokeh, Excel, Plotly, Power BI, Seaborn, Tableau, Visio
R, 4+ years: caret, dplyr, ggplot2, ggmap, tidyr

RELEVANT WORK EXPERIENCE

Data Science Research Assistant   Bothell, WA
School of Business, University of Washington   October 2021 – August 2022
- Conducted natural language processing for sentiment analysis and topic modeling using transfer and machine learning on over 1.2 million unlabeled text entries to support post-doctoral research.
- Engineered pipeline to perform feature engineering and automate aggregation across 4.4 million data points to summarize and condense output for research analysis.

Freelance Data Expert *(Data Analyst/ Data Scientist/ Python Developer)*   Seattle, WA
Self-employed   September 2020 - Present
- Worked with a variety of clients to leverage their data across business sectors through comprehensive analysis and developing unique business solutions to fit their needs.
- Created automated billing system that processed data from SQL queries to generate PDFs and Excel reports, reducing employee workload from 40 hours per month to 1 hour of validation.
- Designed and implemented automated dashboard backbone for Google Sheets that pulled data from AWS PostgreSQL instances for processing and pushed updated reports while allowing for immediate expansion and scalability.

Business Consultant   Seattle, WA
Foster School of Business, University of Washington   March 2017 – April 2020
- Advised an assortment of clients to improve their business operations through focusing on data analysis and implementing new technology while under the direction of the Foster School of Business and associated mentors.
- Designed AWS cloud infrastructure and project plan for educational non-profit, utilizing cloud scaling and serverless components for their platform to expand economically and seamlessly as user needs increased.