RYAN J. LONERGAN

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CAREER OBJECTIVE

Highly analytical professional with 5+ years of experience in data analysis, delivering impactful and actionable business insights through the collection, cleaning, and interpretation of complex datasets. Expertise in Python, SQL, Excel, and diverse visualization tools with proven ability to communicate complex findings and collaborate effectively within cross-functional teams. Eager to apply strong analytical abilities and technical proficiency in a challenging Data Analyst or Data Science position, contributing to innovative solutions and data-driven decisions.

TECHNICAL SKILLS

- **Machine Learning (6+ years**)
  Anomaly Detection | Classification | Clustering | Deep Learning | Exploratory Data Analysis | Feature Engineering | Natural Language Processing | Neural Networks | Prediction | Regression
- **Advanced Python (7+ years**)
  Beautiful Soup | Django | Flask | Gensim | Keras | NLTK | NumPy | Pandas | scikit-learn | SciPy | Scrapy | Selenium | TensorFlow
- **Advanced SQL (7+ years)**
  pgAdmin | PostGIS | PostgreSQL | MySQL | MySQL Workbench | SQLAlchemy| SQLite
- **Advanced Excel (9+ years)**
  Automation | Decision Models | Forecasting | Linear & Non-linear Programing | Solver | Statistics
- **Advanced Visualizations (7+ years)**
  Bokeh | Matplotlib | Plotly | Power BI | Seaborn | Tableau | Visio
- **R (6+ years)**
  Caret | dplyr | ggmap | ggplot2 | tidyr

WORK EXPERIENCE

Data Science Consultant — Seattle, WA
Freelance — September 2020 – Present

- Conducted in-depth data analysis and delivered customized business solutions for clients across various sectors, ensuring recommendations aligned with their specific needs and stakeholder goals.
- Developed data-driven strategic solutions to address cross-departmental challenges, focusing on both immediate needs and long-term organizational objectives.
- Engineered an automated Python-based billing system, generating comprehensive reports from SQL databases, reducing monthly manual processing from 40 hours to 1 hour of validation.
- Designed and implemented an automated dashboard framework in Google Sheets that extracted data from AWS PostgreSQL, allowing for real-time data processing and scalable automated report generation.
- Engineered and deployed a robust weekly automated pipeline, constructing a Slowly Changing Dimension (SCD) table from initial concept to production, processing and organizing over three years of previously unstructured data, enabling efficient data access for ad hoc inquiries, cohort analyses and critical business dashboards while reducing production costs by eliminating redundant data snapshots.

Data Science Research Assistant — Bothell, WA
School of Business, University of Washington — October 2021 – August 2022

- Developed, engineered and presented in-depth solutions for post-doctoral research through analyzing a large dataset comprising 4.4 million raw data points, while effectively communicating findings to stakeholders through presentations that catered to both technical and non-technical audiences.

- Conducted natural language processing (NLP) tasks, including sentiment analysis and topic modeling, using transfer and machine learning algorithms on more than 1.2 million unlabeled text entries.
- Constructed and implemented a scalable pipeline for feature engineering and automatic aggregation across all data points, resulting in the efficient summarization and refinement of research output for analysis.

Business Analyst Consultant — Seattle, WA
Foster School of Business, University of Washington — March 2017 – April 2020

- Provided advisory services to a diverse range of clients to enhance their business operations through data analysis and implementation of new technology while providing strategies for future development and growth.
- Delivered strategic business and technology implementation advisory to diverse clients, driving operational enhancements through data analysis while providing strategies for future growth initiatives.
- Designed and engineered an AWS cloud infrastructure and project plan for an educational non-profit, using cloud scaling and serverless technologies to enable seamless expansion to meet increasing user needs while minimizing costs.

EDUCATION

University of Washington, *Michael G. Foster School of Business* — Seattle, WA

- **Master of Science in Information Systems** — June 2020
  Concentrations: Data Science and Business Analytics — *GPA 3.81*
- **Bachelor of Arts in Business Administration** — June 2019
  Majors: Information Systems and Operations & Supply Chain Management — *GPA 3.53*