Max Patton

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DATA ENGINEER / ANALYST / BUSINESS INTELLIGENCE DEVELOPER

Experienced professional in deploying ETL pipelines, creating bespoke data deliverables, and building business intelligence solutions. Possesses strong technical skills alongside a compelling storytelling ability which enables effective communication of strategy with non-technical audiences. Additional academic training in machine learning, software construction, C, Python, and systems engineering.

KEY COMPETENCIES

- PowerBI / Tableau / AWS Quicksight / Datadog / Salesforce
- Python / Polars / Pandas / NumPy / Matplotlib / Plotly
- Git / Make / Bash / Linux / Jupyter Notebooks / Google Colab
- MySQL / T-SQL / PL/SQL / PostgreSQL
- MS SQL Server / Snowflake / Oracle / Databricks
- AWS EC2 / Azure VMs / Docker / Bare-metal

EXPERIENCE

Senior Data Analyst   *09/2024 – 11/2024*
National Construction Rentals is a leader in the domestic temporary infrastructure rental industry.
- Lead a data modernization project to replace legacy reporting software with reliable, user-friendly, and performant alternatives within budgetary and time constraints.
- Implemented complex stored procedures to serve as ETL pipelines into a central ERP solution, reducing technical debt by consolidating code logic.

Data Operations Analyst   *09/2022 – 05/2024*
Datavant is the largest healthcare data connectivity provider in the United States driven by the mission to improve patient outcomes.
- Implemented a monthly KPI report, consumed by 25 upper management executives, which served as a base for proactive company health monitoring. This inspired investment into a strategic ecosystem health dashboard.
- Led a product research project on customer segmentation leveraging machine learning models. This resulted in a standardized enterprise pricing model which increased renewal rates by 6% – 33%.
- Single-handedly stood up a data redaction business channel, which proved instrumental in a $4.3M renewal, showcasing adeptness in strategic decision-making.

Business Intelligence Developer   *10/2021 – 09/2022*
Pulmuone Foods USA is a lifestyle of health and sustainability corporation dedicated to the mission of providing plant-based alternatives to the American food market.
- Created interactive dashboards to serve a stakeholder base of over 30 sales reps and 10 upper management executives. Improved operational reactivity by 10%.
- Ensured seamless workflows and met stringent SLAs invariant to complexity, achieving a 98% on time deliverable rate.
- Optimized complex SQL queries on large datasets by leveraging dimensional design and indexing, achieving speed improvements from 2x – 163x.

Supply Chain Management Analyst   *06/2021 – 10/2021*
Pulmuone Foods USA
- Produced Python scripts to identify demand trends and recommend inventory management optimizations, which led to a decrease of product shortages by up to 15% for key accounts.
- Introduced VBA script automations for data refreshes in commonly used Excel reports, turning 15-minute manual processes involving an ERP system into 1-minute automatic ones without the need to interface externally.
- Led Sales, Operations, & Management weekly meetings to suggest production levels, align shortage minimization strategies, and track order trends, resulting in 4% more on-time in-full deliveries.

EDUCATION

B.S. Math of Computation, Entrepreneurship Minor - University of California Los Angeles **(2021, 3.4 GPA)**
- **Relevant Coursework (Math)**: Machine Learning, Data Science, Software Construction, Probability, Algorithms, Discrete Structures, Linear Algebra, Game Theory, Applied Numerical Methods, Mathematical Imaging, Operating Systems
- **Relevant Coursework (Entrepreneurship)**: Social Networking, Product Design, Principles of Economics, Entrepreneurship and Venture Initiations, Business Plan Development, Finance and Accounting

A.A. Physics - Saddleback College **(2019)** & **A.A. Math -** Saddleback College **(2019)**