Ryan Pierce

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Experience

Ford Motor Company   Dearborn, MI
Data Engineer, Manufacturing & Quality   *May 2024 – January 2025*
- Provided data stewardship across 15 sources, resolving ETL issues to enhance data accuracy and reliability.
- Led cross-functional meetings, coordinating ETL pipelines migrating data to GCP, accelerating analytics delivery time.
- Developed six data products with Airflow, Python, BigQuery, streamlining aggregation of 500+ manufacturing tables.
- Optimized Python scripts, reducing ETL pipeline development time by 75%
- Created and centralized documentation to streamline new-hire onboarding for Data Stewards.
- Ranked 3rd in Ford's Hackathon, leveraging LLM technology to improve manufacturing quality.

Data Engineer, IT Business Operations   *March 2023 – May 2024*
- Supported dashboard development in Alteryx and QlikSense, enabling business users to make data-driven decisions.
- Led GCP migration from on-prem Hadoop, boosting scalability, efficiency, and cost savings.
- Documented processes to reduce the learning curve for new teammates, accelerating role proficiency.
- Collaborated with cross-functional stakeholders to address business issues and deliver data-driven solutions.

Data Governance Analyst   *April 2021 – March 2023*
- Built ETL pipelines using Alteryx, SQL & Python to cleanse diverse data, enabling performance metrics for the team.
- Served as Data Steward and SME for a Hadoop Hive database with over 300 tables to ensure data integrity.
- Conducted root cause analysis of data discrepancies, comparing multiple data sources and API endpoints.
- Enforced security policies for users, ensuring role-based access control and compliance with governance standards.
- Led BMC Remedy ITSM adoption, improving issue tracking and access-provisioning workflows.

Army National Guard   Taylor, MI
Budget Officer   *October 2024 – Present*
- Supporting managing a multi-million-dollar budget for recruitment & retention efforts, ensuring policy compliance.
- Automate workflows using PowerAutomate/PowerBI, reducing manual labor hours and streamlining data reporting.
- Develop annual financial plans aligned with unit priorities, maximizing resource efficiency and minimizing waste.

Finance and Accounting Officer   *January 2021 – October 2024*
- Developed financial readiness training for ~1,500 soldiers, improving fiscal responsibility.
- Led a 15-person Logistics team, ensuring mission readiness through training and operational efficiency.

Financial Analyst, Joint Task Force Guantánamo Bay   *June 2023 – May 2024*
- Executed financial expenditures within Army regulations, reducing risk for a multi-million-dollar budget.
- Developed and presented financial reports and briefings, leveraging SAP & Excel for senior leadership.
- Managed travel reimbursement program for 900+ personnel, streamlining processes and minimizing errors.

Ford Motor Company   Dearborn, MI
Intern, Service & Engineering Operations   *June 2020 – August 2020*
- Developed R and Tableau dashboards, analyzing data for informed decision-making.
- Implemented predictive analytics in Tableau, forecasting future sales and guiding resource allocations.
- Automated data pipelines with Alteryx and integrated HTML, CSS, JavaScript, enhancing dashboard appearance.

Education

Wayne State University – *Master of Data Science & Business Analytics*   *In Progress, Est. 2026*
Eastern Michigan University – *B.B.A. in Accounting & Information Systems*   *December 2020*

Skills

Programming: Python, SQL, Terraform, R, VBA, HTML/CSS, JavaScript
Data Engineering & ETL: Apache Airflow, BigQuery, Hadoop/Hive, GCP, Alteryx
Business Intelligence & Visualization: Power BI, Tableau, QlikSense
Automation & AI: PowerAutomate, GitHub Copilot, ChatGPT