Ryan Pierce

Tecumseh, MI | 248-378-7139 | rpierce521@gmail.com | www.linkedin.com/in/ryan-a-pierce | ryanpierce.dev

Education

University of Michigan, Ann Arbor, MI   *August 2022 – August 2025*
Master of Applied Data Science   GPA: 3.5

Eastern Michigan University, Ypsilanti, MI   *September 2017 – December 2020*
Bachelor of Business Administration - Accounting & Information Systems   GPA: 3.42

Experience

Ford Motor Company   Dearborn, MI
Data Engineer – Manufacturing & Quality   *May 2024 – Present*
- Develop 6 data products using Apache Airflow, Python, and BigQuery SQL queries to aggregate manufacturing plant data from over 500 tables to enhance usability and effectiveness
- Participated in a top 5 idea in Ford's Hackathon to propose/demonstrate innovative ideas to improve quality

Data Engineer – IT Business Operations   *March 2023 – May 2024*
- Supported development of dashboards to provide insight to business users using Alteryx & QlikSense
- Led migration from on-premises data storage and ETL processes to Google Cloud Platform (GCP), enhancing scalability, efficiency, and cost savings
- Documented learnings and processes to minimize the learning curve for new teammates
- Collaborated with stakeholders across departments to review business issues & deliver actionable insights

Data Governance Analyst   *April 2021 – March 2023*
- Built data ingestion pipelines using Alteryx, SQL, and Python to cleanse and aggregate data from various data sources and built out the team's performance metrics
- Assigned as Data Steward for two databases consisting of 300+ tables of data in Hadoop Hive
- Investigated data discrepancies using various endpoints and UIs to compare with results from API calls
- Maintained security policies for users, ensuring appropriate access based on data classifications and roles
- Led team in transition to BMC Remedy ITSM for requests and incident reports submitted to the team
- Collaborated with teammates to transition the access-provisioning process to GCP

Army National Guard   Taylor, MI
Finance/Accounting Officer   *January 2021 - Present*
- Develop and present financial readiness training across the Brigade consisting of ~1,500 soldiers

Financial Analyst – Joint Task Force Guantánamo Bay   *June 2023 – May 2024*
- Oversaw & executed financial expenditures in compliance with Army regulations to minimize financial risk
- Prepared monthly financial reports and briefings for senior officers & leaders, offering insights and recommendations for optimizing budget allocations using SAP/GFEBS and Excel
- Utilized Defense Travel System to manage travel and reimbursement program for over 900 personnel

Ford Motor Company   Dearborn, MI
Service & Engineering Operations Intern   *June – August 2020*
- Developed dashboards, using R and Tableau, to analyze and visualize data to assist in decision making
- Implemented predictive analytics in Tableau dashboard to forecast future sales
- Integrated HTML, CSS, and JavaScript into program to enhance appearance and quality of dashboard
- Utilized Alteryx to automate the collection and processing of relevant data from multiple sources

Skills

- Programming: Python, Pyspark, SQL, R, JavaScript, HTML, CSS, VBA, Terraform, and Unix/Linux
- Software: GCP, Excel, Hadoop/Hive, SAP, Alteryx, Tableau, MySQL, QlikSense, and Salesforce.com