

Ryan Pierce

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Education

University of Michigan, Ann Arbor, MI
Master of Applied Data Science

August 2022 – August 2025
GPA: 3.5

Eastern Michigan University, Ypsilanti, MI
Bachelor of Business Administration - Accounting & Information Systems

September 2017 – December 2020
GPA: 3.42

Experience

Ford Motor Company

Data Engineer

Dearborn, MI
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

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 tools for improved scalability, efficiency, and cost savings
- Documented learnings and processes to minimize the learning curve for new teammates
- Collaborated with stakeholders to define requirements and data sets for dashboards

Data Governance Analyst

April 2021 – March 2023

- Develop workflows and programs in Alteryx, SQL, and Python to automate processes to cleanse and aggregate data from various data sources to report metrics
- Assigned as Data Steward for two databases consisting of 300+ tables of data in Hadoop Hive
- Investigate data discrepancies using various endpoints and UIs to compare with results from API calls
- Maintain security policies for users, ensuring appropriate access based on data classifications and roles
- Lead team in transition to BMC Remedy ITSM for requests and incident reports submitted to the team
- Collaborate with teammates to transition the access-provisioning process to Google Cloud Platform (GCP)

Army National Guard

Finance/Accounting Officer

Taylor, MI
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

Service & Engineering Operations Intern

Dearborn, MI
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 various data management processes

Skills

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