

Ryan Pierce

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

Experience

Ford Motor Company

Dearborn, MI

Data Engineer – Manufacturing & Quality

May 2024 – January 2025

- Provided Data Stewardship across 15 sources to identify ETL issues & resolve data discrepancies
- Led meetings with customers/end-users and technical teammates to plan and coordinate new data ingestions and enhancements
- Developed 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
- Reduced the learning curve of new hires by creating and aggregating documentation for new Data Stewards to provide resources and links needed to complete tasks and responsibilities
- 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

Budget Officer

October 2024 – Present

- Support budget execution of a multi-million-dollar budget for recruiting and retention purposes of National Guardsmen across the state of Michigan, ensuring compliance with fiscal policies & regulations
- Refine current workflows to reduce labor hours used in manually processing data and to streamline reporting using Microsoft PowerAutomate and PowerBI
- Developed and executed annual financial plans aligned with unit priorities, maximizing resource efficiency and minimizing waste

Finance/Accounting Officer

January 2021 – October 2024

- Developed and presented financial readiness training across the Brigade consisting of ~1,500 soldiers
- Supported the management of a 15 personnel Logistics section to complete required readiness training and perform duties as commanded

Financial Analyst – Joint Task Force Guantánamo Bay

June 2023 – May 2024

- Oversaw & executed financial expenditures in compliance with Army regulations to minimize financial risk for a multi-million-dollar budget
- 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

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Coupa Software

Technical Support Specialist

Ann Arbor, MI

October 2020 – April 2021

- Assisted internal users and external customers with installation, support, and license deployment
- Provided first-tier help-desk support customer installation & troubleshooting of AI-Powered Supply Chain planning and management software
- Utilized Salesforce to manage customer information and licenses for purchases, renewals, partner projects, and trainings

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 the collection and processing of relevant data from multiple sources

Forvia (Formerly Faurecia Interior Systems)

Financial Analyst Intern

Saline, MI

March 2019 – June 2020

- Supported the capital maintenance of \$178M of new and existing assets and tooling for a 1.4M square-foot injection molding and assembly plant
- Developed macros using VBAs to streamline financial reporting to support decision-making by key leaders
- Supported integration of RFID tracking system to improve the identification process of tool/asset location
- Tasked with completing 10 month-end closing entries each month

Sales Analyst Intern

Southfield, MI

June 2018 – March 2019

- Utilized SAP to create pricing/ scheduling agreements for production and service parts in eight plants
- Audited system data to ensure accuracy of information
- Developed text and video job training tools to facilitate working continuity after employee transitions

Education

Wayne State University, Detroit, MI

Estimated Graduation: December 2026

Master of Data Science and Business Analytics

University of Michigan, Ann Arbor, MI

(On-hold - 70% Complete)

Master of Applied Data Science

GPA: 3.5

Notable Coursework: Efficient Data Processing, Scalable Data Processing, Information Visualization, Visual Exploration of Data, Data Manipulation, Data Science Ethics, Supervised/Unsupervised Learning

Eastern Michigan University, Ypsilanti, MI

September 2017 – December 2020

Bachelor of Business Administration - Accounting & Information Systems

GPA: 3.42

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

Notable Project

Pair Trading Algorithm - <https://github.com/ryanapierce/pair-trading-algorithm>

- Analyzes stock price data to identify statistically significant asset pairs, monitoring price spreads, and executing trades based on predefined criteria, leveraging Yahoo Finance data and advanced visualization techniques. Part of the University of Michigan coursework in Milestone 1