

Anthony Burns

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Industrial Engineer

Professional Summary

- Industrial Engineer Graduate from Dalhousie University with 3+ years of experience in data-driven roles across manufacturing and operations, enabling strategic decision-making and operational improvements.
- Proficient in SQL, Python, VBA, and Excel to efficiently extract, transform, and analyze data, including implementing automation workflows.
- Skilled in Data Visualization using PowerPoint, Power BI, and Tableau, with a proven ability to translate complex data into actionable insights for diverse stakeholders.
- Expertise in project management, app development, and CAD modeling, leveraging technical and organizational skills to streamline workflows and support innovation.

Tech Stack & Skills

Languages:	SQL, Python, C#, Dart, Pandas, Numpy, Matplotlib, Plotly, Dash, Scikit learn
Operating Systems:	Windows
Software, Applications & Tools:	IBM Watson Studio, IBM Cognos Analytic, Jupyter Notebook, Google Collab, Microsoft Office and Advanced Excel, Azure Sandbox, RDMS, SQLite, MySQL, Flutter
Databases:	My SQL
Cloud Computing:	Microsoft Azure, IBM Cloud
Project Management Fundamentals:	My SQL Agile, Waterfall, Scrum, Kanban, Trello, Jira, monday.com
Skills:	Data Wrangling and Pre-Processing, Data Cleaning, Data visualization and dashboarding, Statistical analysis, Linear regression, Data prediction, Storytelling, Web scraping, Critical Thinking, Time Management, Teamwork and Creativity

Projects

Rolls LFP Connect	March 2024
Surrette Battery	
<ul style="list-style-type: none">• Developed a mobile app using Flutter and Dart to present battery diagnostics on a user's phone.	
Senior Design Capstone Project	March 2021
IMP Aerospace & Defense	
<ul style="list-style-type: none">• Improved the efficiency of the processes for scheduling work using Excel VBA and PowerBI.	
Inventory Management	September 2019
Rimot	
<ul style="list-style-type: none">• Collected and recorded raw material and ready-to-go product amounts using Excel.• Set up automatic low-level reports to be sent to internal stakeholders with PowerApps.	

Education & Certifications

Bachelor's in Industrial Engineering Dalhousie University	April 2021
Engineering Diploma Saint Mary's University	April 2018
Microsoft Azure AI-900 Certificate NPower Canada	March 2024
IBM Data Analyst Professional Certificate NPower Canada	March 2024

Professional Experience

Developer Surrette Battery	July 2023 – March 2024
<ul style="list-style-type: none">Developed a mobile app using Flutter and Dart to present battery diagnostics on a user's phone, improving customer troubleshooting efficiency.Authored instructional guides for installing and maintaining lithium batteries, reducing technical support queries.Managed multiple projects using monday.com to streamline task tracking and ensure 100% on-time delivery.Created and published product videos to YouTube using DaVinci Resolve, boosting sales and brand visibility with engaging, professional content.	
Data Analyst Emera	July 2021 – June 2023
<ul style="list-style-type: none">Acted as the primary contact for master data management, resolving over 3000 supply chain data tickets in 2022 with a focus on timeliness and accuracy using ServiceNow and Excel.Identified and reported anomalies in data trends, providing monthly summaries to supervisors to enhance transparency and decision-making.Streamlined the request submission process by transitioning all customer requests to ServiceNow, reducing excess emails and improving response times and workflow efficiency.	
Quality Assurance Analyst Rimot	September 2019 – August 2020
<ul style="list-style-type: none">Designed and optimized 4 enclosures for Radio Frequency (RF) devices using OnShape, reducing material usage while maintaining structural integrity, and reducing production costs.Developed an inventory management system using Excel VBA and PowerApps, streamlining material tracking during manufacturing.Integrated inventory alerts are displayed on the main office screen, reducing material shortages and providing real-time insights for supervisors.Led new employees through the full stack development process, reducing onboarding time from over a week to 1 day, resulting in improved understanding and performance of their roles.	