Maggie Lingley

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Education

IT Data Analytics Diploma | *Nova Scotia Community College, Halifax NS* | **Cumulative GPA: 4.29/4.3** *September 2024 – April 2026*

Bachelor of Arts, Major Psychology | *Saint Mary's University, Halifax NS* *September 2009 – June 2013*

Technical Skills

Power BI (DAX, Power Query) | SQL (T-SQL, MySQL) | MS Excel | MS SQL Server | SSIS | Python (Pandas) | R | SharePoint

Relevant Work Experience

Data Analyst Summer Co-op | *Strongest Families Institute, Halifax NS (Remote)* **June 2025 – August 2025**

- Replaced static Excel reports by developing 8 Power BI dashboards within 3 weeks, linked to live SharePoint data, automating updates for long-term use.
- Evaluated mental health programs by calculating statistical effect size with custom DAX, collaborating with other teams to understand impact.
- Saved HR team 4-6 days of manual processing, supporting cross-platform data migration by extracting, cleaning, and validating datasets with Power Query and Excel to ensure data integrity.
- Recognized by leadership for rapid learning, independent problem-solving, and reliable project delivery.

Full-Time Student & Data Analytics Training | *Professional Development, Halifax NS* **June 2023 - Present**

- Transitioned into data analytics, completing 3 intensive, full-time programs (Skills for Hire, NPower, and NSCC).

On Time Performance Analyst | *Cisco Systems, Halifax NS (Remote)* **January 2015 – June 2023**

- Promoted to Analyst position internally from Order Management within 3 years, established as a top performer and primary subject matter expert advising on process improvements.
- Validated logistics data for 100+ daily field engineer orders to ensure accurate classifications and KPI reporting for Vendor Management.
- Investigated SLA misses via root cause analysis, logging Oracle findings to drive operational process improvements.
- Detected reporting inaccuracies, driving a process review that established more accurate performance tracking, helping business teams maintain integrity in their data.
- Identified ~2 systemic IT issues per quarter by analyzing audit trails, compiling evidence to expedite technical resolutions.

Projects

End-to-End Data Analysis & Machine Learning Project (Halifax Transit Ridership) **January 2026 – Present**

- Designed the core relational database architecture and currently engineering an automated SQL/SSIS pipeline to extract municipal data, supporting an end-to-end predictive transit model.
- Managing the data lifecycle in Python, from cleaning to transformation of >3 million lines of historical data, to build and evaluate 3 comparative regression models for ridership prediction.

Geospatial Data Dashboard (Cumberland Flood Mapping Dashboard) **January 2026 – Present**

- Collaborating with the Applied Geomatics Research Group (AGRG) to model flood risk in Cumberland County by overlaying critical infrastructure and Digital Elevation Models (DEM) onto OpenStreetMap.
- Integrated live tide data for stakeholders, rapidly iterating on dashboard features to meet changing project requirements.

Data Visualization & Statistical Validation Project (Lead Crime Analysis) **September 2025 – December 2025**

- Investigated the "Lead Crime Hypothesis" by comparing 20 years of historical public health and crime statistics in Chicago, identifying clear data correlations.
- Improved statistical accuracy by extracting and cleansing large datasets using R, resolving data inconsistencies to ensure valid correlation modeling.

Certifications

Junior IT Analyst *(NPower)* | **Data Analyst** *(Skills for Hire)* | **Google IT Support Professional** *(Coursera)*