

EMMA SARGSYAN

Data Science Student | Business Analytics & Automation Consultant

Calgary, Alberta • 403-401-3919 • emma53294@gmail.com • [LinkedIn](#) • [GitHub](#) • [Portfolio \(link\)](#)

PROFESSIONAL SUMMARY

Entrepreneurial Data Science student who builds and ships real business systems, not just class projects. Founded an independent consultancy designing dashboards, CRMs, booking platforms, and workflow automations for small-business clients — from initial requirements gathering through deployment and ongoing support. Comfortable across the analytics stack (Python, SQL, R, Tableau, Excel) with hands-on experience in data cleaning, statistical analysis, and dashboard development. Combines technical execution with client-facing business consulting, stakeholder communication, and process improvement. Seeking a data analyst or data science internship where business context and technical rigor both matter.

TECHNICAL SKILLS

Programming: Python, SQL, R, HTML, CSS

Business Intelligence: Tableau, Power BI (learning), Microsoft Excel, Google Sheets

Analytics: Data Cleaning, Data Validation, Statistical Analysis, Exploratory Data Analysis, Dashboard Development, Data Visualization, Database Design

Automation: n8n, Google Apps Script, Workflow Automation, AI-Assisted Development

Business: Requirements Gathering, Business Analysis, Process Improvement, Project Management, Client Consulting, Stakeholder Communication

EXPERIENCE

Founder & Data Solutions Consultant | Client Flow Systems

May 2025 – Present

Calgary, AB

- Founded and operate an independent data and automation consultancy, managing the full client lifecycle from discovery through deployment and ongoing support.
- Run requirements-gathering sessions with business owners to diagnose operational inefficiencies and scope technical solutions spanning websites, CRMs, booking systems, and dashboards.
- Design and build custom websites, booking platforms, and lightweight CRM systems using HTML/CSS, Google Apps Script, and AI-assisted development tools (Claude, Lovable), deployed via GitHub and Vercel.
- Architect workflow automations in n8n and Google Apps Script that streamline lead management and client communication, reducing manual data entry for clients.
- Build reporting dashboards in Google Sheets that give clients real-time operational visibility in place of manual tracking.
- Maintain and iterate on a portfolio of live client systems based on ongoing feedback, balancing multiple concurrent engagements.

Private Swim Instructor | Propel Swim Company

Aug 2023 – Present

Calgary, AB

- Operate an independent instruction business end-to-end — client acquisition, scheduling, invoicing, and long-term relationship management.
- Design individualized lesson plans and track client progress over multi-month engagements, adjusting instruction based on documented outcomes.
- Maintain a recurring client base through proactive scheduling and communication, sustaining strong client retention.

Leadership Instructor • Lifeguard • Swim Instructor | YMCA Calgary

Sep 2023 – Present

Calgary, AB

- Lead and train groups of instructors and lifeguards, coordinating scheduling and documentation across teams.
- Track and document participant progress across programs, maintaining accurate records used for certification and reporting.
- Resolve operational and safety issues in real time, applying structured problem-solving under time pressure.

Jewelry Sales Associate | W. Royce Jewellers

Jan 2024 – Dec 2025

Calgary, AB

- Built long-term client relationships through consultative selling, guiding clients through high-value purchase decisions.
- Managed inventory tracking and organization for a luxury retail showroom.
- Consistently met sales targets by identifying client needs and tailoring product recommendations.

Beauty Specialist | Shoppers Drug Mart

Aug 2024 – Dec 2024

Calgary, AB

- Advised customers on product selection, driving repeat business through tailored recommendations.
- Maintained inventory accuracy and organized merchandising displays.

Math & Reading Assistant | Kumon

Sep 2021 – Jun 2023

Calgary, AB

- Delivered individualized instruction to students, tracking progress against structured learning benchmarks.
- Communicated student performance to parents and instructors, supporting data-informed instructional decisions.

PROJECTS

Business Automation Platform | Client Flow Systems

- Designed and deployed end-to-end business systems for small-business clients, including custom websites, booking flows, CRMs, and Google Sheets-based reporting dashboards.
- Built automated email and lead-management workflows in n8n, integrating AI tools to handle routine client communication.
- Delivered measurable operational efficiency gains by replacing manual processes with automated, trackable systems.

Peak-Hour Vehicle Activity Analysis | Python, Excel

- Cleaned and validated a real-world traffic dataset in Python, resolving missing and inconsistent records.
- Analyzed peak-hour vehicle activity patterns and produced Excel-based visualizations to communicate findings.
- Delivered a structured report summarizing trends and actionable recommendations.

Race Strategy Simulation | Python, NumPy, Pandas

- Built a statistical simulation modeling race strategy scenarios and performance tradeoffs.
- Visualized results to support strategy evaluation and decision-making.

Linear Regression & Matrix Analysis | Statistical Modeling, Linear Algebra

- Implemented and evaluated linear regression models grounded in matrix operations and vector spaces.
- Interpreted model outputs statistically, assessing fit and testing underlying assumptions.

EDUCATION

Mount Royal University

Sep 2024 – Present (Expected 2028)

Bachelor of Science, Data Science — Finance Concentration — Calgary, AB

Relevant Coursework: Programming for Data Scientists, Statistical Data Analysis, Introduction to Databases (SQL), Data Acquisition, Linear Algebra for Data Science, Mathematical Statistics, Introductory Accounting

SAIT — Dual Credit

Sep 2023 – Dec 2023

Object-Oriented Programming (Python) & Web Development — Calgary, AB

Bishop Carroll High School

Sep 2021 – Jun 2023

High School Diploma — Graduated one year early — Calgary, AB

LANGUAGES

English, French, Armenian, Russian

CERTIFICATIONS

National Lifeguard • Standard First Aid • CPR-C AED • Lifesaving Society Swim Instructor • Lifesaving Society Examiner