

Steven Duong

Surrey, BC | (672) 588-1451 | smd25@sfu.ca | [GitHub](#) | [LinkedIn](#)

Technical Skills

Languages: Python, SQL, R, SAS

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Streamlit

Data Tools: Tableau, Power BI

Databases: MySQL, PostgreSQL

Tools: Git/GitHub, RStudio, VS Code

Operating Systems: Windows, Mac OS, Linux

Education

Simon Fraser University, Burnaby, BC

Sep 2022 – Present

- Bachelor of Science, Computing Science (Major) | Statistics (Minor)
- Expected Graduation: 2027

Academic Project Experience

SFU Marketplace

Jan - Apr 2026

Database Systems I, SFU

- Designed and implemented a relational database system for an SFU-exclusive marketplace supporting users, listings, offers, transactions, and reviews
- Built a full-stack web application using React (frontend), Flask (backend), and MySQL, containerized with Docker for consistent local database deployment
- Developed and tested RESTful API endpoints connecting frontend user actions to backend database operations for CRUD functionality and data retrieval
- Wrote SQLAlchemy and raw SQL queries, including joins, aggregations, and a subquery with HAVING, to power search, category analytics, and seller ratings, plus real-time messaging

Community Stewardship Impact Analysis

Sept - Dec 2025

Data Analytics and Visualization, SFU

- Conducted exploratory data analysis (EDA) on 200+ Vancouver Green Rainwater Infrastructure sites across multiple years, identifying stewardship program effectiveness through statistical analysis
- Cleaned, merged, and wrangled 2 years of condition assessment data in R across 200+ site records, standardizing GRI identifiers to ensure data integrity and consistency
- Built Tableau dashboards to visualize multi-year GRI site condition trends, enabling data-driven comparison of stewardship program outcomes
- Discovered that volunteer-led programs consistently outperformed contractor-managed sites in overall site conditions

AI Career Path Helper

Sept - Dec 2025

Introduction to Artificial Intelligence, SFU

- Developed a machine learning model using LightGBM to predict the top 3 career paths from student academic and behavioral data
- Used a Kaggle-sourced dataset containing student academic records, study habits, and demographic attributes. Built test cases and exception cases to allow efficient problem-solving
- Achieved ~90% accuracy and 0.89 weighted F1-score, and deployed the model in an interactive Streamlit web app for real-time predictions

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Personal Project Experience

Sales Intelligence Dashboard

June - Present

- Designed and developed an interactive sales analytics dashboard using Python and Streamlit to help small businesses monitor sales performance without requiring SQL knowledge.
- Built data preprocessing modules to clean, validate, and transform uploaded CSV datasets using Pandas and NumPy.
- Implemented key business metrics including total revenue, order count, average order value, customer count, and product performance analysis.
- Developed interactive Plotly visualizations and time-series forecasting to analyze historical sales trends and project future revenue.
- Designed a modular dashboard with filtering, KPI cards, and multiple analytics pages.
- Expanding functionality with expense tracking and financial analysis.

Employment

Warehouse Associate

June 2025 – Present

Groupe Touchette, Surrey BC

- Manage inventory control, receiving, stock picking, and order fulfillment using the SAP warehouse management system.
- Adapted to new warehouse layouts, operational procedures, handheld scanner interfaces, and enterprise software following organizational changes.
- Assisted with dispatch operations by coordinating shipments and supporting transportation workflows.
- Maintained inventory accuracy and collaborated with team members to meet daily operational targets in a fast-paced distribution environment.

Warehouse Associate

Jul 2021 – June 2025

OK Tire, Surrey BC

- Managed inventory movements, stock picking, and receiving using the TWL warehouse management system.
- Processed outbound shipments by preparing orders and generating shipping labels and documentation.
- Maintained organized inventory to improve picking efficiency and support accurate order fulfillment.
- Worked collaboratively in a team environment while following workplace safety procedures and operational standards.

Entrepreneurial Experience

Auto Detailing Business Owner

Jan 2025 - Present

- Founded and operate an independent auto detailing business, growing a recurring client base through referrals and quality service delivery
- Manage all business operations independently, including scheduling, client communication, pricing, and service fulfillment
- Developed entrepreneurial skills in time management, client relationship management, and service delivery, as well as balancing business operations alongside full-time studies